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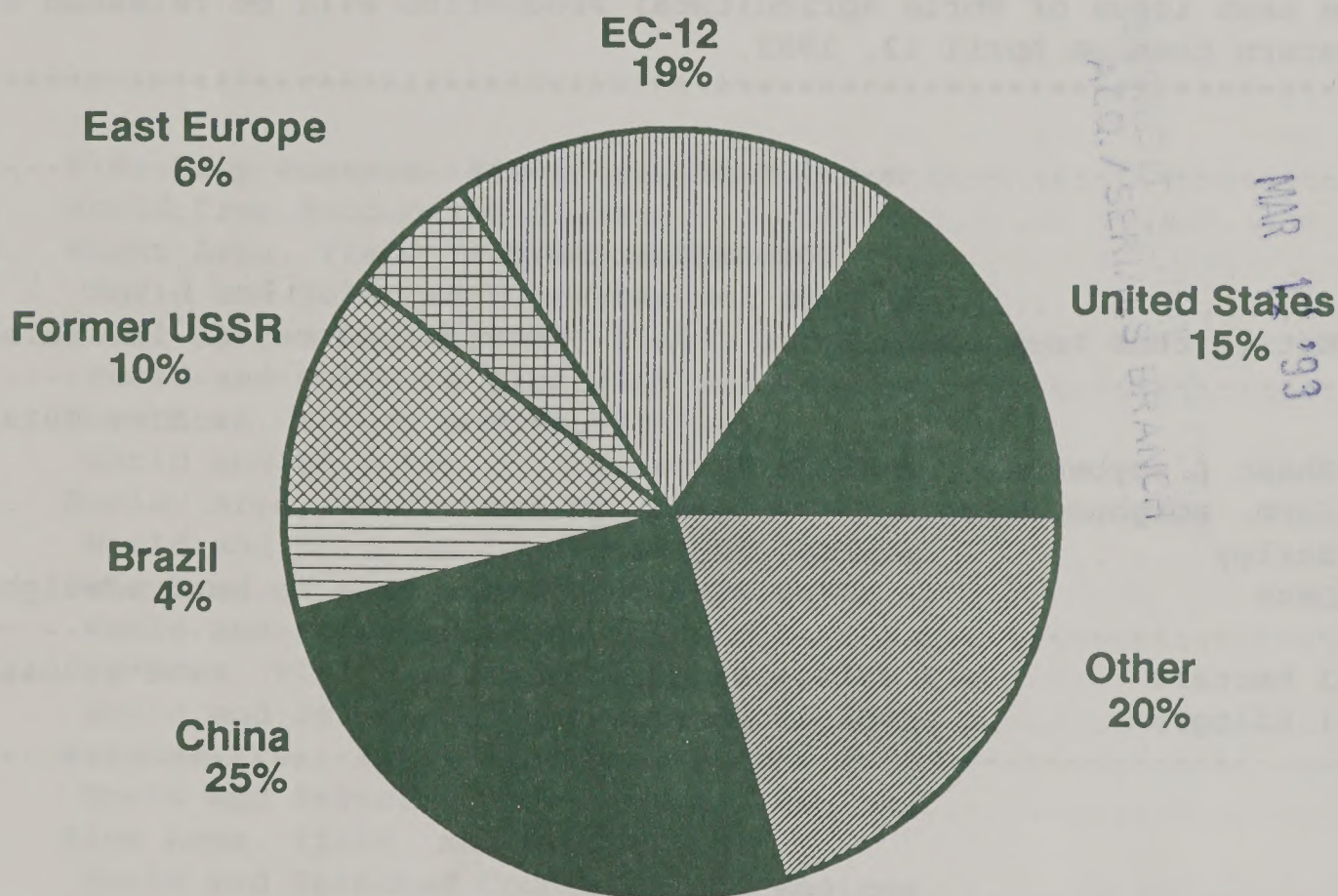
Foreign  
Agricultural  
Service

Circular Series  
WAP 3-93  
March 1993

# World Agricultural Production

## World Red Meat Production 1/

1993 Forecast



1/ Includes carcass-weight-equivalent of beef, veal, pork, sheep, and goat meat.

### Production Articles This Month...

World Red Meat

World Cocoa

World Cottonseed

Brazilian and Argentine Corn

West European Forestry Situation



This report draws on information from USDA's global network of agricultural attaches and counselors, official statistics of foreign governments, other foreign source materials, and results of office analysis. Estimates of U.S. acreage, yield, and production are from USDA's Agricultural Statistics Board, except where noted. This report is based on unrounded data; numbers may not add to totals because of rounding. This report reflects official USDA estimates released in World Agricultural Supply and Demand Estimates (WASDE-276), March 10, 1993.

This report was prepared by the Production Estimates and Crop Assessment Division (PECAD), FAS/USDA, Washington, D.C. 20250. Further information may be obtained by writing to the division or by calling (202) 720-0888 or by FAX (202) 720-8880.

\*\*\*\*\*  
 \* The next issue of World Agricultural Production will be released at 3 p.m. \*  
 \* Eastern time on April 13, 1993. \*  
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:			:
:	CONVERSION TABLE		:
:			:
:	Metric tons to bushels		:
:	-----	:	-----
:		:	Cotton = MT*4.592917
:	Wheat & soybeans = MT*36.7437	:	:
:	Corn, sorghum, rye = MT*39.36825	:	:
:	Barley = MT*45.929625	:	:
:	Oats = MT*68.894438	:	Metric tons to hundredweight
:	-----	:	-----
:	1 hectare = 2.471044 acres	:	Rice = MT*22.04622
:	1 kilogram = 2.204622 pounds	:	:
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March 1993

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## PRODUCTION HIGHLIGHTS FOR 1992/93

March 1993

WHEAT: World production for 1992/93 is estimated at 557.8 million tons, down 0.5 million or less than 1 percent from last month, but up 3 percent from the previous year. Total foreign production is estimated at 490.9 million tons, down 0.5 million or less than 1 percent from last month, but up slightly from 1991/92. Country highlights are as follows:

- o United States Production is estimated at 66.9 million tons, unchanged from last month, but up 24 percent from 1991/92.
- o Eastern Europe Production is estimated at 26.4 million tons, down 0.5 million or 2 percent from last month and down 31 percent from last year. Reports from Bulgaria indicate production to be 3.4 million tons, down 0.5 million from last month due to lower estimated yield.
- o EC-12 Production is estimated at 84.6 million tons, down 0.2 million or less than 1 percent from last month and down 6 percent from 1991/92. Revised official estimates from Greece lower output to 2.0 million tons, more than offsetting an increase in Italy where a record yield boosted estimated production to 8.9 million tons.

COARSE GRAINS: World production for 1992/93 is estimated at 848.1 million tons, up 0.1 million or less than 1 percent from last month and up 6 percent from the 1991/92 harvest. Total foreign production is estimated at 570.3 million tons, up 0.1 million or less than 1 percent from last month, but down 2 percent from last season. Country highlights are as follows:

- o United States Production is estimated at 277.7 million tons, unchanged from last month, but up 27 percent from 1991/92.
- o China Production is estimated at 109.6 million tons, up 2.7 million or 2 percent from last month, but down 2 percent from 1991/92. Corn production is estimated at 96.0 million tons, up 3.0 million from last month due to higher estimated yield.
- o Australia Production is estimated at 8.3 million tons, down 0.6 million or 7 percent from last month, but up 11 percent from 1991/92. Hot, dry weather during the sorghum flowering stage reduced prospective production.



- o Canada Production is estimated at 19.1 million tons, down 0.5 million or 2 percent from last month and down 12 percent from 1991/92. Wet fall weather significantly delayed corn harvesting and caused some producers to abandon fields. Corn production is estimated at 4.5 million tons, down 9 percent from 1991/92.
- o Eastern Europe Production is estimated at 45.0 million tons, down 1.4 million or 3 percent from last month and down 30 percent from 1991/92. Romania's corn production is estimated at 7.2 million tons, down 1.3 million owing to lower yield.

RICE (MILLED-BASIS): World production for 1992/93 is projected at 351.3 million tons, down 0.6 million or less than 1 percent from last month, but up 1 percent from the 1991/92 crop. Total foreign production is projected at 345.6 million tons, down 0.6 million or less than 1 percent from last month, but up 1 percent from 1991/92. Country highlights are as follows:

- o United States Production is estimated at 5.7 million tons, unchanged from last month, but up 13 percent from 1991/92.
- o Bangladesh Production is estimated at 18.3 million tons, down 0.5 million or 3 percent from last month, but up slightly from 1991/92. Lower prices received by farmers and slow government procurement caused producers to lower input use and shift some land away from rice production.

OILSEEDS: World production for 1992/93 is forecast at a record 225.4 million tons, up 0.7 million or less than 1 percent from last month and up 1 percent from 1991/92. Foreign production for 1992/93, including copra and palm kernel, is forecast at 156.8 million tons, up 0.7 million or less than 1 percent from last month, but down 2 percent from last season. Total oilseed production in the United States is forecast at 68.7 million tons, unchanged from last month, but up 7 percent from 1991/92.

- \* Soybeans: World production for 1992/93 is forecast at a record 115.2 million tons, up 0.8 million or 1 percent from last month and up 8 percent from 1991/92. Total foreign production is forecast at 55.4 million tons, up 0.8 million or 2 percent from last month and up 5 percent from 1991/92. Country highlights are as follows:

- o United States Production is estimated at 59.8 million tons, unchanged from last month, but up 11 percent from last season.
- o Brazil Production is forecast at 21.3 million tons, up 0.5 million or 2 percent from last month and up 11 percent from 1991/92. Favorable February weather improved yield prospects.



- o Argentina Production is forecast at 11.5 million tons, up 0.3 million or 3 percent from last month and up 3 percent from 1991/92. Favorable planting and growing conditions have increased yield prospects.

\* Cottonseed: World production for 1992/93 is forecast at 31.4 million tons, down 0.5 million or 2 percent from last month and down 14 percent from 1991/92. Total foreign production is forecast at 25.7 million tons, down 0.5 million or 2 percent from last month and down 15 percent from last season. Country highlights are as follows:

- o United States Production is forecast at 5.7 million tons, unchanged from last month, but down 10 percent from 1991/92.
- o Pakistan Production is forecast at 3.1 million tons, down 0.1 million or 4 percent from last month and down 28 percent from 1991/92. The estimated output was reduced due to insect infestations and disease problems resulting from earlier flooding in Punjab Province.
- o Colombia Production is forecast at 0.1 million tons, down 0.1 million or 54 percent from last month and down 57 percent from 1991/92. Planted area is down an estimated 57 percent due to poor prices last year and a reduction in local cotton purchases by the Colombian textile industry.
- o Paraguay Production is forecast at 0.3 million tons, down 0.1 million or 26 percent from last month, but up 10 percent from 1991/92. Cotton area did not reach expected levels due to low government support, high production costs, and a poor crop in 1991/92.
- o FSU-12 Production is forecast at 3.8 million tons, up 0.2 million or 4 percent from last month, but down 14 percent from last season. The estimated output is increased due to the resumption of harvest activity in Tajikistan.

\* Peanuts: World production for 1992/93 is forecast at 22.1 million tons, up slightly from last month, but down slightly from 1991/92. Total foreign production is forecast at 20.2 million tons, up marginally from last month and up 1 percent from last season. Country highlights are as follows:

- o United States Production is forecast at 1.9 million tons, unchanged from last month, but down 13 percent from 1991/92.



\* Sunflowerseed: World production for 1992/93 is forecast at 21.2 million tons, down 0.2 million or 1 percent from last month and down 1 percent from 1991/92. Total foreign production is forecast at 20.0 million tons, down 0.2 million or 1 percent from last month, but up 1 percent from last season. Country highlights are as follows:

- o United States Production is forecast at 1.2 million tons, unchanged from last month, but down 28 percent from 1991/92.
- o South Africa Production is forecast at 0.4 million tons, down 0.2 million or 28 percent from last month, but up 120 percent from 1991/92. The reduction is due to lower estimated area.
- o Argentina Production is forecast at 3.5 million tons, down 0.1 million or 3 percent from last month and down 8 percent from 1991/92. Harvest is 17 percent complete and results indicate that excessive moisture has reduced yield.

\* Rapeseed: World production for 1992/93 is forecast at 27.0 million tons, up 0.6 million or 2 percent from last month, but down 5 percent from 1991/92. Total foreign production is forecast at 26.9 million tons, up 0.6 million or 2 percent from last month, but down 5 percent from last season. Country highlights are as follows:

- o United States Production is forecast at 85,000 tons, unchanged from last month, but down 10 percent from last year's harvest.
- o China Production is forecast at a record 7.7 million tons, up 0.6 million or 8 percent from last month and up 3 percent from last year. Official government statistics report that favorable weather boosted yield to the record level set in 1990/91.

\* Copra: World production for 1992/93 is forecast at 4.9 million tons, down slightly from last month, but up 1 percent from 1991/92. There were no significant country changes this month.

\* Palm Kernels: World production for 1992/93 is forecast at 3.6 million tons, up slightly from last month and up 7 percent from last year. There were no significant country changes this month.

\* Palm Oil: World production for 1992/93 is forecast at 12.4 million tons, up slightly from last month and up 8 percent from last year. There were no significant country changes this month.

COTTON: World production for 1992/93 is projected at 83.2 million bales, down 0.9 million or 1 percent from last month and down 13 percent from the 1991/92 record crop. Total foreign production is projected at 66.9 million bales, down 0.9 million or 1 percent from last month and down 15 percent from the record crop of last year. Country highlights are as follows:



- o United States      Production is estimated at 16.3 million bales, unchanged from last month, but down 8 percent from 1991/92.
- o Pakistan            Production is estimated at 7.2 million bales, down 0.3 million or 4 percent from last month and down 28 percent from last year's record crop. The 1992/93 cotton crop was affected by one of the most severe floods on record, reducing harvested area. Further, farmers' inability to complete timely pesticide spraying and a widespread occurrence of leaf curl virus (LCV) reduced yield and lint output.
- o China                Production is estimated at 20.8 million bales, down 0.2 million or 1 percent from last month and down 20 percent from last year's second largest crop. The cotton crop suffered from drought and a severe cotton boll worm infestation.
- o Brazil                Production is estimated at 2.6 million bales, down 0.2 million or 7 percent from last month and down 25 percent from last season. Area and production are estimated lower based upon a decrease in Parana.
- o Zimbabwe            Production is estimated at 0.3 million bales, down 0.1 million or 31 percent from last month, but up 189 percent from the drought reduced crop of 1991/92. The reduction is due to lower estimated yield.
- o South Africa        Production is estimated at 90,000 bales, down 110,000 or 55 percent from last month and down 4 percent from last season. Area and yield are reduced due to drought in Natal.
- o Peru                 Production is estimated at 0.2 million bales, down 0.1 million or 38 percent from last month and down 31 percent from last season. Area and yield are estimated lower because of drought in the main producing region along the west coast.
- o Paraguay            Production is estimated at 0.9 million bales, up 0.1 million or 13 percent from last month and up 29 percent from last season's weather-reduced crop. Yield is estimated higher based on new varieties used this season.



**TABLE 1**  
**U.S. Crop Acreage, Yield, and Production 1/**



TABLE 2  
World Crop Production Summary

Commodity	World	Total Foreign	North America			Europe			FSU-12	Asia					South America		Selected Other			All Other Countries
			United States	Canada	Mexico	EC-12	Oth. W. Europe	Eastern Europe		China	India	Indonesia	Pakl- stan	Thai- land	Argen- tina	Brazil	Aus- tralia	South Africa	Turkey	
—Million metric tons—																				
<u>Wheat</u> 1990/91 1991/92 prel. 1992/93 proj. February March	588.1	513.6	74.5	32.1	3.9	84.7	5.2	41.3	100.3	98.2	49.9	0.0	14.4	0.0	10.9	3.1	15.1	1.7	16.0	36.9
	542.9	489.0	53.9	31.9	3.7	90.1	4.1	38.3	72.3	96.0	55.1	0.0	14.6	0.0	9.9	3.0	10.7	2.1	16.5	40.6
	558.3	491.4	66.9	29.9	3.0	84.8	3.5	26.9	89.3	101.0	55.0	0.0	15.6	0.0	9.2	2.8	15.0	1.3	15.8	38.4
	557.8	490.9	66.9	29.9	3.0	84.6	3.5	26.4	89.3	101.0	55.1	0.0	15.6	0.0	9.2	2.8	15.0	1.3	15.8	38.5
<u>Coarse Grains</u> 1990/91 1991/92 prel. 1992/93 proj. February March	819.3	588.5	230.7	24.5	18.4	84.0	13.5	51.4	99.4	111.7	32.6	5.2	1.8	4.1	10.8	24.4	6.8	8.9	9.3	82.0
	797.9	579.3	218.6	21.8	17.6	89.6	12.5	64.5	73.1	112.3	26.3	5.3	1.6	3.8	14.3	29.3	7.5	3.4	9.6	86.7
	847.9	570.2	277.7	19.6	17.8	81.8	9.0	46.5	91.2	106.9	33.7	5.3	1.6	3.7	14.6	27.8	8.9	8.5	9.1	84.1
	848.1	570.3	277.7	19.1	17.8	81.8	9.0	45.0	91.2	109.6	33.7	5.3	1.6	3.7	14.6	27.8	8.3	8.5	9.1	84.1
<u>Rice (Milled)</u> 1990/91 1991/92 prel. 1992/93 proj. February March	350.8	345.7	5.1	0.0	0.2	1.6	0.0	0.1	1.4	132.5	74.3	29.4	3.3	11.3	0.3	6.8	0.5	0.0	0.2	83.8
	348.2	343.2	5.0	0.0	0.2	1.5	0.0	0.1	1.3	128.7	73.7	29.0	3.2	13.5	0.4	6.9	0.7	0.0	0.1	84.0
	351.9	346.2	5.7	0.0	0.2	1.4	0.0	0.1	1.4	129.5	73.0	30.8	2.8	13.1	0.3	7.1	0.7	0.0	0.2	85.6
	351.3	345.6	5.7	0.0	0.2	1.4	0.0	0.1	1.4	129.5	73.0	30.7	2.8	13.1	0.3	7.1	0.7	0.0	0.2	85.1
<u>Total Grains 1/</u> 1990/91 1991/92 prel. 1992/93 proj. February March	1,758.1	1,447.8	310.3	56.6	22.5	170.3	18.7	92.7	201.1	342.4	156.7	34.6	19.4	15.4	22.0	34.3	22.3	10.6	25.5	202.7
	1,689.0	1,411.4	277.6	53.7	21.5	181.3	16.7	102.8	146.7	336.9	155.1	34.3	19.3	17.3	24.6	39.2	18.9	5.6	26.2	211.3
	1,758.1	1,407.8	350.4	49.5	21.0	168.0	12.5	73.4	181.9	337.4	161.7	36.1	20.0	16.8	24.1	37.7	24.6	9.8	25.1	208.2
	1,757.1	1,406.8	350.4	49.0	21.0	167.8	12.5	71.5	181.9	340.1	161.7	36.0	20.0	16.8	24.1	37.7	23.9	9.8	25.1	207.7
<u>Oilseeds 2/</u> 1990/91 1991/92 prel. 1992/93 proj. February March	216.0	155.4	60.6	4.6	1.1	12.9	0.7	4.2	12.8	33.3	20.5	4.2	3.6	0.9	16.8	17.1	1.0	0.9	2.1	18.5
	223.7	159.4	64.3	5.8	1.2	13.3	0.7	4.3	11.5	34.2	21.0	4.4	4.7	0.8	15.9	20.6	1.1	0.4	1.7	17.8
	224.7	156.0	68.7	5.1	0.7	12.1	0.6	3.7	10.5	31.0	23.3	4.6	3.7	0.7	15.4	22.1	0.9	0.9	2.1	18.8
	225.4	156.8	68.7	5.1	0.7	12.1	0.7	3.7	10.7	31.4	23.3	4.6	3.5	0.7	15.5	22.5	0.9	0.6	2.1	18.4
—Million 480-pound bales—																				
<u>Cotton</u> 1990/91 1991/92 prel. 1992/93 proj. February March	87.0	71.5	15.5	0.0	0.8	1.3	0.0	0.1	11.9	20.7	9.1	0.0	7.5	0.1	1.4	3.2	2.0	0.2	3.0	10.0
	95.9	78.3	17.6	0.0	0.8	1.4	0.0	0.1	11.3	26.1	9.4	0.0	10.0	0.2	1.1	3.4	2.3	0.1	2.6	9.5
	84.1	67.8	16.3	0.0	0.2	1.6	0.0	0.1	9.6	21.0	9.8	0.0	7.5	0.1	0.8	2.8	1.6	0.2	2.8	9.8
	83.2	66.9	16.3	0.0	0.2	1.6	0.0	0.1	9.6	20.8	9.8	0.0	7.2	0.1	0.8	2.6	1.6	0.1	2.8	9.7

1/ Includes wheat, coarse grains, and rice (milled) shown above.  
2/ Includes soybean, cottonseed, peanut (in-shell), sunflowerseed, rapeseed, copra, and palm kernel.  
Note: Entries of 0.0 indicate no reported or insignificant production.



TABLE 3

# Wheat Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area			Yield			Production			Change in Production							
	Prel.			Prel.			Prel.			From last month		From last year					
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent	
								</									

March 1993

Production Estimates &amp; Crop Assessment Division, FAS, USDA



**TABLE 4**  
**Total Coarse Grain Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area			Yield			Production			Change in Production		
	Prel.			Prel.			Prel.			From last month		
	1990/91	1991/92	1992/93 Proj.	1990/91	1991/92	1992/93 Proj.	1990/91	1991/92	1992/93 Proj.	MMT	Percent	From last year
							Metric tons per hectare			Million metric tons		
World	313.56	317.64	319.66	319.11	2.61	2.51	2.65	2.66	819.26	797.89	847.94	848.05
United States	36.38	37.37	39.05	39.05	6.34	5.85	7.11	7.11	230.74	218.63	277.75	277.75
Total Foreign	277.18	280.27	280.61	280.06	2.12	2.07	2.03	2.04	588.52	579.25	570.20	570.31
<i>Major Exporters</i>												
Canada	19.92	20.56	20.71	20.63	2.76	2.47	2.67	2.63	54.98	50.78	55.35	54.27
Argentina	7.33	6.59	6.12	6.12	3.34	3.30	3.21	3.13	24.50	21.78	19.61	19.14
Australia	3.24	3.80	4.13	4.13	3.23	3.76	3.53	3.53	10.77	14.29	14.56	14.56
Rep. of South Africa	4.12	4.51	4.90	4.82	1.65	1.66	1.81	1.72	6.78	7.47	8.89	8.28
Thailand	3.69	4.14	4.18	4.18	2.40	0.83	2.05	2.05	8.85	3.45	8.55	8.55
	1.54	1.52	1.39	1.39	2.64	2.50	2.69	2.69	4.07	3.80	3.74	3.74
<i>Major Importers</i>												
FSU-12	99.91	101.57	100.19	100.06	2.72	2.59	2.50	2.48	272.14	263.03	250.01	248.60
Baltic States	51.56	52.13	52.20	52.20	1.93	1.40	1.75	1.75	99.40	73.15	91.22	91.22
EC-12	1.53	1.74	1.66	1.66	2.57	2.47	1.42	1.42	3.92	4.29	2.36	2.36
Germany	19.24	19.07	18.37	18.25	4.37	4.70	4.45	4.48	84.02	89.64	81.79	81.84
France	4.39	4.11	3.96	3.92	4.95	5.52	4.86	4.90	21.73	22.66	19.26	19.19
Eastern Europe	3.86	4.00	4.15	4.15	5.60	6.45	6.54	6.60	21.61	25.78	27.15	27.38
Poland	15.90	16.58	16.02	16.02	3.23	3.89	2.90	2.81	51.36	64.45	46.48	45.05
Romania	6.25	6.28	5.92	5.92	3.04	2.95	2.14	2.13	18.99	18.54	12.67	12.64
Czechoslovakia	3.40	3.85	3.75	3.75	2.87	3.58	2.73	2.38	9.79	13.78	10.22	8.92
Mexico	1.14	1.17	1.25	1.25	4.98	4.67	3.75	3.75	5.70	5.49	4.67	4.67
Other W. Europe	8.25	8.84	8.99	8.99	2.23	1.99	1.97	1.97	18.36	17.63	17.75	17.75
Sweden	3.04	2.85	2.60	2.60	4.45	4.39	3.47	3.47	13.53	12.52	9.02	9.02
	0.93	0.89	0.84	0.84	4.50	4.15	2.81	2.31	4.17	3.69	2.37	2.37
<i>Other Foreign</i>												
China	156.94	157.78	159.35	159.02	1.66	1.67	1.65	1.67	259.86	264.09	263.45	266.08
India	27.01	26.94	26.44	26.33	4.13	4.17	4.04	4.16	111.69	112.28	106.94	109.60
Brazil	36.35	33.77	36.49	36.49	0.90	0.78	0.92	0.92	32.55	26.28	33.65	33.65
Turkey	13.40	14.10	13.51	13.51	1.82	2.08	2.06	2.06	24.36	29.29	27.78	27.78
Nigeria	4.45	4.45	4.45	4.45	2.10	2.17	2.05	2.05	9.34	9.65	9.15	9.15
Indonesia	9.50	9.50	9.55	9.55	0.67	0.85	0.84	0.84	6.32	8.05	8.05	8.05
Philippines	2.85	2.90	2.90	2.90	1.82	1.83	1.83	1.83	5.20	5.30	5.30	5.30
Others	3.86	3.48	3.39	3.39	1.32	1.29	1.35	1.35	5.10	4.49	4.57	4.57
	59.53	62.63	62.62	62.40	1.10	1.10	1.09	1.09	65.30	68.75	68.02	67.99
									2.63	1.00	1.99	1.99
									2.66	2.49	-2.68	-2.39
									0.00	0.00	7.37	28.02
									0.00	0.00	-1.52	-5.17
									0.00	0.00	-0.50	-5.18
									0.00	0.00	0.00	0.00
									0.00	0.00	0.00	0.00
									0.00	0.00	0.08	1.78
									-0.03	-0.05	-0.76	-1.11

Production Estimates & Crop Assessment Division, FAS, USDA

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TABLE 5

# Corn Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1992/93 Proj.		Prel.		1992/93 Proj.		Prel.		1992/93 Proj.		From last month		From last year	
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons				MMT	Percent	MMT	Percent
World	127.21	130.80	131.85	131.69	3.75	3.70	3.99	4.00	476.89	483.90	525.97	527.40	1.44	0.27	43.50	8.99
United States	27.10	27.86	29.20	29.20	7.44	6.82	8.25	8.25	201.53	189.89	240.78	240.78	0.00	0.00	50.89	26.80
Total Foreign	100.12	102.94	102.65	102.49	2.75	2.86	2.78	2.80	275.36	294.02	285.19	286.62	1.44	0.50	-7.39	-2.51
<i>Major Exporters</i>																
Argentina	6.33	7.20	7.47	7.47	3.11	2.41	3.03	3.03	19.70	17.33	22.60	22.60	0.00	0.00	5.28	30.45
Rep. of South Africa	1.95	2.40	2.70	2.70	3.90	4.42	4.07	4.07	7.60	10.60	11.00	11.00	0.00	0.00	0.40	3.77
Thailand	3.03	3.45	3.50	3.50	2.74	0.91	2.29	2.29	8.30	3.13	8.00	8.00	0.00	0.00	4.88	156.00
	1.35	1.35	1.27	1.27	2.81	2.67	2.83	2.83	3.80	3.60	3.60	3.60	0.00	0.00	0.00	0.00
<i>Major Importers</i>																
Eastern Europe	19.71	21.50	22.05	22.04	3.47	4.01	3.53	3.48	68.34	86.23	77.79	76.75	-1.04	-1.34	-9.48	-10.99
Romania	6.44	6.75	7.01	7.01	3.13	5.00	3.46	3.26	20.14	33.74	24.28	22.88	-1.40	-5.77	-10.86	-32.18
Yugoslavia	2.47	2.58	3.00	3.00	2.75	4.07	2.83	2.40	6.80	10.50	8.50	7.20	-1.30	-15.29	-3.30	-31.43
EC-12	2.23	2.17	2.00	2.00	3.02	5.34	3.55	3.55	6.72	11.56	7.10	7.10	0.00	0.00	-4.46	-38.57
France	3.49	3.90	3.83	3.82	6.27	6.84	7.43	7.54	21.87	26.68	28.45	28.81	0.36	1.26	2.13	7.99
Italy	1.60	1.78	1.85	1.85	5.94	7.25	7.73	7.84	9.50	12.90	14.30	14.50	0.20	1.40	1.60	12.40
Mexico	0.77	0.86	0.89	0.88	7.64	7.26	8.54	8.63	5.86	6.24	7.60	7.58	-0.02	-0.32	1.34	21.45
FSU-12	6.60	7.70	7.90	7.90	2.14	1.88	1.90	1.90	14.10	14.50	15.00	15.00	0.00	0.00	0.50	3.45
Other W. Europe	2.85	2.83	3.01	3.01	3.46	3.19	2.72	2.72	9.86	9.03	8.19	8.19	0.00	0.00	-0.84	-9.31
Others 1/	0.23	0.22	0.20	0.20	8.18	8.41	6.89	6.89	1.87	1.81	1.37	1.37	0.00	0.00	-0.44	-24.16
	0.10	0.11	0.11	0.11	4.99	4.54	4.78	4.78	0.50	0.48	0.50	0.50	0.00	0.00	0.02	5.24
<i>Other Foreign</i>																
China	74.08	74.24	73.13	72.98	2.53	2.57	2.53	2.57	187.32	190.46	184.80	187.27	2.48	1.34	-3.19	-1.67
Brazil	21.40	21.57	21.00	21.00	4.52	4.58	4.43	4.57	96.82	98.77	93.00	96.00	3.00	3.23	-2.77	-2.80
India	12.90	13.60	13.00	13.00	1.84	2.10	2.08	2.08	23.70	28.50	27.00	27.00	0.00	0.00	-1.50	-5.26
Canada	5.90	5.78	5.95	5.95	1.52	1.38	1.53	1.53	8.96	7.98	9.10	9.10	0.00	0.00	1.12	14.04
Indonesia	1.06	1.11	0.75	0.75	6.65	6.71	6.67	6.04	7.07	7.41	5.00	4.53	-0.47	-9.38	-2.88	-38.88
Philippines	2.85	2.90	2.90	2.90	1.82	1.83	1.83	1.83	5.20	5.30	5.30	5.30	0.00	0.00	0.00	0.00
Egypt	3.86	3.48	3.39	3.39	1.32	1.29	1.35	1.35	5.10	4.49	4.57	4.57	0.00	0.00	0.08	1.78
Tanzania	0.84	0.69	0.75	0.75	5.47	6.39	6.00	6.00	4.60	4.43	4.50	4.50	0.00	0.00	0.07	1.56
Zimbabwe	1.63	1.85	1.90	1.90	1.49	1.24	1.16	1.16	2.43	2.30	2.20	2.20	0.00	0.00	-0.10	-4.35
Others	1.10	0.88	1.20	1.20	1.44	0.41	1.50	1.50	1.59	0.36	1.80	1.80	0.00	0.00	1.44	397.24
	22.53	22.38	22.29	22.14	1.41	1.38	1.45	1.46	31.85	30.92	32.33	32.27	-0.05	-0.17	1.36	4.38

1/ Japan, Republic of Korea, and Taiwan.

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Production Estimates &amp; Crop Assessment Division, FAS, USDA



**TABLE 6**  
**Barley Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.				Prel.				Prel.				From last month		From last year	
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	72.00	75.92	72.02	71.92	2.47	2.20	2.25	2.25	177.61	167.38	162.29	162.05	-0.24	-0.15	-5.33	-3.18
United States	3.05	3.41	2.96	2.96	3.02	2.97	3.36	3.36	9.19	10.11	9.94	9.94	0.00	0.00	-0.17	-1.72
Total Foreign	68.95	72.52	69.06	68.96	2.44	2.17	2.21	2.21	168.42	157.27	152.35	152.11	-0.24	-0.16	-5.16	-3.28
EC-12	12.33	12.04	11.54	11.45	4.12	4.28	3.76	3.76	50.83	51.50	43.37	43.07	-0.30	-0.69	-8.43	-16.36
Denmark	0.91	0.94	0.90	0.90	5.48	5.34	3.34	3.34	4.99	5.04	3.02	3.02	0.00	0.00	-2.02	-40.05
France	1.77	1.75	1.80	1.80	5.73	6.17	5.86	5.86	10.15	10.80	10.55	10.55	0.00	0.00	-0.25	-2.31
Germany	2.61	2.54	2.45	2.41	5.35	5.72	5.05	5.06	13.99	14.49	12.34	12.20	-0.14	-1.17	-2.30	-15.85
Italy	0.47	0.47	0.45	0.44	3.64	3.80	3.78	3.87	1.70	1.79	1.70	1.68	-0.02	-1.06	-0.11	-6.19
Spain	4.36	4.37	4.02	4.02	2.16	2.09	1.49	1.49	9.41	9.14	5.99	5.99	0.00	0.00	-3.15	-34.43
United Kingdom	1.53	1.39	1.31	1.31	5.17	5.54	5.61	5.61	7.90	7.70	7.35	7.35	0.00	0.00	-0.35	-4.55
FSU-12	25.22	27.47	25.49	25.49	1.98	1.33	1.91	1.91	50.04	36.47	48.79	48.79	0.00	0.00	12.32	33.79
Baltic States	0.97	1.25	1.11	1.11	2.57	2.41	1.54	1.54	2.49	3.02	1.71	1.71	0.00	0.00	-1.31	-43.43
Eastern Europe	3.58	4.01	3.58	3.58	4.02	3.70	3.13	3.12	14.41	14.83	11.18	11.16	-0.02	-0.17	-3.67	-24.76
Poland	1.17	1.24	1.20	1.20	3.59	3.44	2.37	2.35	4.22	4.26	2.84	2.82	-0.02	-0.67	-1.44	-33.73
Czechoslovakia	0.75	0.79	0.89	0.89	5.46	4.79	3.99	3.99	4.07	3.79	3.54	3.54	0.00	0.00	-0.25	-6.67
Romania	0.75	1.02	0.49	0.49	3.57	2.89	2.86	2.86	2.68	2.95	1.40	1.40	0.00	0.00	-1.55	-52.54
Canada	4.53	4.22	3.79	3.79	2.97	2.75	2.88	2.88	13.44	11.62	10.92	10.92	0.00	0.00	-0.70	-6.01
Other W. Europe	1.47	1.54	1.35	1.35	4.38	4.19	3.37	3.37	6.44	6.43	4.53	4.53	0.00	0.00	-1.90	-29.51
Finland	0.49	0.54	0.47	0.47	3.54	3.73	2.81	2.81	1.72	2.02	1.33	1.33	0.00	0.00	-0.69	-33.98
Sweden	0.46	0.46	0.42	0.42	4.60	4.21	3.00	3.00	2.12	1.94	1.25	1.25	0.00	0.00	-0.69	-35.40
Turkey	3.40	3.40	3.40	3.40	1.94	2.00	1.82	1.82	6.60	6.80	6.20	6.20	0.00	0.00	-0.60	-8.82
Australia	2.56	2.70	2.96	2.96	1.61	1.66	1.85	1.85	4.11	4.47	5.47	5.47	0.00	0.00	0.99	22.23
China	1.21	1.20	1.25	1.25	3.25	3.27	3.20	3.20	3.93	3.93	4.00	4.00	0.00	0.00	0.07	1.83
Iran	2.65	2.65	2.70	2.70	1.26	1.36	1.44	1.44	3.35	3.60	3.90	3.90	0.00	0.00	0.30	8.33
Morocco	2.42	2.36	2.23	2.23	0.89	1.38	0.48	0.48	2.14	3.25	1.08	1.08	0.00	0.00	-2.17	-66.77
India	0.99	0.96	0.94	0.94	1.50	1.70	1.75	1.75	1.49	1.63	1.65	1.65	0.00	0.00	0.02	1.10
Others	7.62	8.73	8.73	8.72	1.20	1.11	1.10	1.11	9.16	9.72	9.56	9.64	0.08	0.83	-0.09	-0.88

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Production Estimates &amp; Crop Assessment Division, FAS, USDA







TABLE 8

# Rye Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area				Yield				Production				Change in Production			
	Prel.				Prel.				Prel.				From last month			
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
World	15.92	13.13	14.95	14.95	2.32	1.97	1.86	1.86	36.86	25.80	27.77	27.77	0.00	-0.01	1.97	7.63
United States	0.15	0.16	0.16	0.16	1.70	1.55	1.85	1.85	0.26	0.25	0.30	0.30	0.00	0.00	0.06	22.58
Total Foreign	15.77	12.97	14.79	14.79	2.32	1.97	1.86	1.86	36.60	25.55	27.47	27.47	0.00	-0.01	1.91	7.48
FSU-12	10.21	8.26	10.51	10.51	2.08	1.49	1.72	1.72	21.19	12.31	18.04	18.04	0.00	0.00	5.73	46.52
Baltic States	0.37	0.27	0.35	0.35	2.66	3.11	1.29	1.29	0.97	0.83	0.45	0.45	0.00	0.00	-0.38	-45.52
Major Exporter																
Canada	0.34	0.18	0.14	0.14	1.76	1.87	1.92	1.92	0.60	0.34	0.27	0.27	0.00	0.00	-0.07	-21.83
Other Foreign	4.86	4.26	3.79	3.79	2.85	2.84	2.30	2.30	13.84	12.08	8.71	8.71	0.00	-0.02	-3.37	-27.86
Eastern Europe	2.69	2.62	2.29	2.29	2.67	2.59	1.97	1.98	7.20	6.79	4.53	4.54	0.02	0.35	-2.25	-33.14
Hungary	0.09	0.09	0.07	0.07	2.46	2.38	2.00	2.00	0.23	0.22	0.14	0.14	0.00	0.00	-0.08	-36.65
Poland	2.31	2.29	2.03	2.03	2.61	2.58	1.95	1.96	6.04	5.90	3.97	3.99	0.02	0.40	-1.91	-32.43
Czechoslovakia	0.17	0.13	0.09	0.09	4.30	3.81	2.90	2.90	0.74	0.48	0.26	0.26	0.00	0.00	-0.23	-47.31
EC-12	1.57	1.20	1.09	1.08	3.34	3.67	3.13	3.13	5.25	4.39	3.42	3.39	-0.02	-0.73	-1.00	-22.69
Denmark	0.11	0.08	0.09	0.09	4.95	4.94	3.62	3.62	0.55	0.40	0.33	0.33	0.00	0.00	-0.06	-15.70
France	0.07	0.06	0.06	0.06	3.69	3.50	3.65	3.73	0.24	0.21	0.23	0.21	-0.03	-10.87	-0.01	-2.38
Germany	1.06	0.71	0.62	0.62	3.78	4.68	3.92	3.94	3.99	3.32	2.42	2.42	0.00	0.08	-0.90	-27.14
Spain	0.20	0.20	0.19	0.19	1.32	1.23	1.08	1.08	0.27	0.24	0.20	0.20	0.00	0.00	-0.04	-17.36
Other W. Europe	0.25	0.14	0.12	0.12	4.05	4.00	3.84	3.84	1.01	0.57	0.45	0.45	0.00	0.00	-0.12	-21.50
Austria	0.09	0.09	0.07	0.07	4.26	4.12	3.91	3.91	0.40	0.35	0.27	0.27	0.00	0.00	-0.08	-22.86
Sweden	0.07	0.04	0.03	0.03	4.72	3.93	4.13	4.13	0.34	0.17	0.13	0.13	0.00	0.00	-0.04	-22.42
Turkey	0.18	0.17	0.17	0.17	1.33	1.41	1.41	1.41	0.24	0.24	0.24	0.24	0.00	0.00	0.00	0.00
Others	0.16	0.12	0.12	0.13	0.81	0.67	0.68	0.70	0.13	0.08	0.08	0.09	0.01	8.54	0.00	5.95

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Production Estimates &amp; Crop Assessment Division, FAS, USDA



**TABLE 9**  
**Sorghum Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.				Prel.				Prel.				From last month			
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons				MMT	Percent	MMT	Percent
World	38.55	38.16	41.16	40.99	1.36	1.35	1.52	1.51	52.31	51.37	62.69	61.76	-0.93	-1.48	10.39	20.23
United States	3.68	3.99	4.92	4.92	3.96	3.72	4.57	4.57	14.56	14.86	22.46	22.46	0.00	0.00	7.60	51.15
Total Foreign	34.88	34.17	36.25	36.07	1.08	1.07	1.11	1.09	37.75	36.51	40.24	39.31	-0.93	-2.31	2.79	7.66
India	14.36	12.59	14.50	14.50	0.81	0.67	0.85	0.85	11.68	8.40	12.30	12.30	0.00	0.00	3.90	46.43
China	1.55	1.39	1.45	1.34	3.67	3.55	3.52	3.55	5.68	4.93	5.10	4.76	-0.34	-6.67	-0.17	-3.49
Mexico	1.30	0.82	0.75	0.75	2.85	3.17	2.93	2.93	3.70	2.60	2.20	2.20	0.00	0.00	-0.40	-15.38
Nigeria	4.40	4.40	4.80	4.80	0.64	0.80	0.79	0.79	2.80	3.50	3.80	3.80	0.00	0.00	0.30	8.57
Sudan	3.00	4.40	4.20	4.20	0.50	0.80	0.70	0.70	1.50	3.52	2.94	2.94	0.00	0.00	-0.58	-16.48
Argentina	0.68	0.72	0.75	0.75	3.33	3.61	3.33	3.33	2.25	2.60	2.50	2.50	0.00	0.00	-0.10	-3.85
Australia	0.40	0.53	0.64	0.55	2.22	1.98	2.06	1.27	0.89	1.06	1.32	0.70	-0.62	-46.97	-0.36	-33.65
Ethiopia	0.87	0.95	0.90	0.90	1.13	1.05	1.11	1.11	0.98	1.00	1.00	1.00	0.00	0.00	0.00	0.00
Colombia	0.26	0.27	0.25	0.25	2.88	2.87	3.00	3.00	0.74	0.76	0.75	0.75	0.00	0.00	-0.01	-1.32
Venezuela	0.21	0.28	0.28	0.28	2.10	2.23	2.18	2.18	0.44	0.63	0.61	0.61	0.00	0.00	-0.02	-2.40
Egypt	0.13	0.13	0.13	0.13	4.70	4.70	4.69	4.69	0.61	0.62	0.63	0.63	0.00	0.00	0.01	1.45
Yemen	0.61	0.61	0.61	0.61	1.00	1.00	1.00	1.00	0.61	0.61	0.61	0.61	0.00	0.00	0.00	0.00
Tanzania	0.52	0.55	0.65	0.65	0.77	0.95	0.92	0.92	0.40	0.53	0.60	0.60	0.00	0.00	0.07	14.29
Niger	1.30	1.40	1.30	1.30	0.32	0.39	0.35	0.35	0.42	0.55	0.45	0.45	0.00	0.00	-0.10	-18.18
Rep. of South Africa	0.12	0.14	0.13	0.13	2.09	0.74	1.92	1.92	0.24	0.10	0.25	0.25	0.00	0.00	0.15	150.00
Thailand	0.19	0.17	0.12	0.12	1.42	1.18	1.17	1.17	0.27	0.20	0.14	0.14	0.00	0.00	-0.06	-30.00
Others	20.33	21.40	21.63	21.45	1.27	1.30	1.29	1.25	25.79	27.91	27.80	26.87	-0.93	-3.35	-1.05	-3.74

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TABLE 11

# Total Oilseed Area, Yield, and Production

## World and Selected Countries and Regions

Country/Region	Area			Yield			Production			Change in Production			
	Prel.			Prel.			Prel.			From last month		From last year	
	1990/91	1991/92	1992/93 Proj.	1990/91	1991/92	1992/93 Proj.	1990/91	1991/92	1992/93 Proj.	MMT	Percent	MMT	Percent
World Total 1/	--	--	--	--	--	--	215.99	223.74	224.72	0.72	0.32	1.70	0.76
Total Foreign 1/	--	--	--	--	--	--	155.44	159.42	156.04	0.72	0.46	-2.66	-1.67
Copra	--	--	--	--	--	--	4.76	4.78	4.86	0.00	-0.04	0.07	1.46
Palm Kernel	--	--	--	--	--	--	3.32	3.41	3.62	0.01	0.33	0.22	6.60
World Major Oilseeds 2/	141.27	147.01	146.04	1.47	1.47	1.48	207.91	215.54	216.24	0.71	0.33	1.40	0.65
United States 2/	29.13	30.69	29.72	2.08	2.10	2.31	60.55	64.32	68.67	0.00	0.00	4.36	6.77
Foreign Oilseeds 2/	112.14	116.32	116.32	1.31	1.30	1.27	147.36	151.23	147.57	0.71	0.48	-2.95	-1.95
China	22.27	23.32	23.68	1.50	1.47	1.31	33.33	34.21	30.95	0.48	1.53	-2.78	-8.13
Brazil	11.67	12.05	12.62	1.46	1.71	1.75	17.08	20.56	22.05	0.46	2.11	1.96	9.53
India	25.69	27.74	27.78	0.78	0.74	0.82	20.12	20.55	22.83	0.00	0.00	2.27	11.07
Argentina	7.90	8.34	8.02	2.12	1.90	1.92	16.76	15.89	15.38	0.17	1.11	-0.34	-2.14
FSU-12	9.10	8.81	8.64	1.41	1.31	1.22	12.81	11.53	10.51	0.15	1.43	-0.87	-7.55
Canada	3.08	3.82	3.52	1.51	1.52	1.44	4.64	5.82	5.05	0.09	1.72	-0.68	-11.65
EC-12	5.76	5.58	5.75	2.25	2.38	2.10	12.93	13.28	12.07	-0.01	-0.10	-1.22	-9.20
France	1.95	1.81	1.74	2.36	2.72	2.48	4.60	4.92	4.30	0.00	0.00	-0.62	-12.57
Italy	0.71	0.57	0.46	3.09	2.99	2.98	2.20	1.71	1.38	0.00	0.00	-0.33	-19.24
Germany	0.75	1.00	1.07	2.90	3.11	2.61	2.17	3.09	2.79	0.00	0.00	-0.30	-9.83
Spain	1.33	1.16	1.49	1.14	0.91	0.97	1.51	1.07	1.44	0.00	0.00	0.37	34.74
United Kingdom	0.39	0.44	0.42	3.08	2.96	3.00	1.20	1.30	1.26	0.00	0.00	-0.04	-3.08
Indonesia	1.90	1.97	2.04	1.20	1.22	1.21	2.27	2.40	2.46	0.05	2.03	0.12	4.80
Pakistan	3.10	3.35	2.93	1.18	1.42	1.26	3.65	4.74	3.68	-0.13	-3.56	-1.19	-25.12
Eastern Europe	2.34	2.33	2.34	1.81	1.86	1.60	4.24	4.32	3.73	0.00	0.00	-0.59	-13.72
Poland	0.50	0.47	0.42	2.41	2.23	1.88	1.21	1.04	0.79	0.00	0.00	-0.26	-24.74
Romania	0.60	0.59	0.72	1.18	1.35	1.14	0.71	0.80	0.82	0.00	0.00	0.02	2.37
Hungary	0.43	0.42	0.41	1.88	1.99	1.95	0.81	0.84	0.80	0.00	0.00	-0.04	-4.53
Turkey	1.43	1.23	1.41	1.45	1.37	1.47	2.08	1.69	2.07	0.00	0.00	0.39	22.97
Philippines	0.07	0.07	0.08	0.70	0.75	0.72	0.05	0.05	0.06	0.00	0.00	0.00	5.56
Paraguay	1.48	1.42	1.47	1.19	1.05	1.37	1.77	1.50	2.02	-0.10	-4.94	0.42	28.35
Mexico	0.56	0.67	0.38	1.83	1.64	1.60	1.02	1.10	0.60	0.00	0.00	-0.50	-45.18
Others	15.81	15.63	15.69	0.92	0.87	0.90	14.61	13.61	14.11	-0.44	-3.15	0.06	0.40

1/ Major oilseeds plus copra and palm kernel. 2/ Individual countries and regions includes soybean, cottonseed, peanut (in-shell), sunflowerseed, and rapeseed.

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**TABLE 12**  
**Soybean Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel. 1992/93 Proj.				Prel. 1992/93 Proj.				Prel. 1992/93 Proj.				From last month		From last year	
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
World	Million hectares				Metric tons per hectare				Million metric tons				MMT	Percent	MMT	Percent
United States	54.27	54.76	56.48	56.31	1.92	1.95	2.03	2.05	104.16	106.80	114.37	115.20	0.82	0.72	8.40	7.86
Total Foreign	22.87	23.48	23.63	23.63	2.29	2.30	2.53	2.53	52.42	54.07	59.78	59.78	0.00	0.00	5.71	10.57
Major Exporters	31.40	31.28	32.85	32.69	1.65	1.69	1.66	1.70	51.74	52.73	54.59	55.42	0.82	1.51	2.68	5.09
Brazil	15.29	15.70	16.98	16.88	2.96	2.01	1.98	2.04	28.55	31.60	33.60	34.40	0.80	2.38	2.80	8.86
Argentina	9.65	10.00	10.90	10.80	1.63	1.92	1.91	1.97	15.75	19.20	20.80	21.30	0.50	2.40	2.10	10.94
Paraguay	4.75	4.80	5.10	5.10	2.42	2.33	2.20	2.25	11.50	11.20	11.20	11.50	0.30	2.68	0.30	2.68
	0.89	0.90	0.98	0.98	1.46	1.33	1.63	1.63	1.30	1.20	1.60	1.60	0.00	0.00	0.40	33.33
Other Foreign	16.11	15.58	15.87	15.81	1.44	1.36	1.32	1.33	23.19	21.13	20.99	21.02	0.03	0.12	-0.12	-0.55
China	7.56	7.05	7.20	7.20	1.46	1.38	1.35	1.35	11.00	9.71	9.70	9.70	0.00	0.00	-0.01	-0.10
Canada	0.48	0.60	0.56	0.56	2.61	2.44	2.32	2.48	1.26	1.46	1.30	1.39	0.09	6.69	-0.07	-5.00
Eastern Europe	0.34	0.23	0.25	0.25	1.06	1.81	1.24	1.24	0.36	0.42	0.31	0.31	0.00	0.00	-0.11	-26.25
EC-12	0.66	0.48	0.43	0.43	3.11	3.13	3.06	3.06	2.07	1.51	1.32	1.32	0.00	0.00	-0.19	-12.86
India	2.56	2.82	3.00	3.00	1.01	0.82	0.90	0.90	2.60	2.30	2.70	2.70	0.00	0.00	0.40	17.39
Indonesia	1.28	1.33	1.38	1.40	1.10	1.13	1.11	1.13	1.40	1.50	1.53	1.58	0.05	3.28	0.07	5.00
FSU-12	0.83	0.81	0.83	0.83	1.06	1.14	1.14	1.14	0.88	0.92	0.94	0.94	0.00	0.00	0.02	2.17
Mexico	0.28	0.33	0.24	0.24	2.05	1.91	1.70	1.70	0.57	0.63	0.40	0.40	0.00	0.00	-0.23	-36.51
Thailand	0.41	0.33	0.34	0.34	1.30	1.27	1.18	1.18	0.53	0.42	0.40	0.40	0.00	0.00	-0.02	-5.21
Korea, DPR	0.34	0.34	0.34	0.34	1.29	1.29	1.18	1.18	0.44	0.44	0.40	0.40	0.00	0.00	-0.04	-9.09
Japan	0.15	0.14	0.14	0.11	1.51	1.40	1.68	1.71	0.22	0.20	0.24	0.19	-0.05	-20.00	-0.01	-4.57
Bolivia	0.19	0.20	0.21	0.21	1.89	1.90	1.90	1.90	0.35	0.38	0.40	0.40	0.00	0.00	0.02	5.26
Rep. of Korea	0.15	0.12	0.14	0.11	1.53	1.54	1.50	1.68	0.23	0.18	0.21	0.18	-0.03	-16.19	-0.01	-3.83
Colombia	0.10	0.04	0.05	0.04	1.82	1.76	2.00	1.88	0.19	0.07	0.10	0.08	-0.03	-25.00	0.00	1.35
Others	0.78	0.75	0.77	0.76	1.39	1.31	1.37	1.38	1.09	0.99	1.06	1.05	-0.01	-0.57	0.06	6.36

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**TABLE 13**  
**Cottonseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.				Prel.				Prel.				From last month			
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
World	32.99	34.75	32.70	32.50	1.02	1.06	0.98	0.97	33.50	36.66	31.95	31.42	-0.53	-1.66	-5.25	-14.31
United States	4.75	5.25	4.51	4.51	1.14	1.20	1.26	1.26	5.42	6.28	5.68	5.68	0.00	0.00	-0.60	-9.53
Total Foreign	28.24	29.50	28.18	27.98	0.99	1.03	0.93	0.92	28.08	30.38	26.26	25.73	-0.53	-2.01	-4.65	-15.30
China	5.59	6.54	6.75	6.75	1.37	1.48	1.16	1.14	7.67	9.66	7.80	7.73	-0.08	-0.96	-1.94	-20.03
FSU-12	3.17	3.01	2.73	2.85	1.54	1.47	1.34	1.33	4.88	4.44	3.65	3.80	0.15	4.11	-0.63	-14.32
Pakistan	2.66	2.88	2.46	2.46	1.23	1.51	1.33	1.27	3.28	4.36	3.27	3.14	-0.13	-4.01	-1.22	-28.01
India	7.40	7.68	7.48	7.48	0.53	0.52	0.54	0.54	3.90	3.97	4.08	4.08	0.00	0.00	0.11	2.64
Brazil	1.92	1.95	1.63	1.63	0.61	0.61	0.67	0.64	1.17	1.19	1.09	1.05	-0.03	-3.23	-0.14	-11.76
Turkey	0.64	0.60	0.63	0.63	1.61	1.47	1.50	1.50	1.03	0.88	0.95	0.95	0.00	0.00	0.07	7.63
African Franc Zone	1.17	1.21	1.20	1.20	0.76	0.74	0.77	0.77	0.89	0.89	0.92	0.92	0.00	0.00	0.03	3.25
Australia	0.28	0.28	0.25	0.25	2.47	2.66	2.07	2.07	0.69	0.75	0.52	0.52	0.00	0.00	-0.23	-30.71
Egypt	0.42	0.36	0.35	0.35	1.37	1.42	1.36	1.36	0.57	0.51	0.48	0.48	0.00	0.00	-0.03	-5.88
Argentina	0.63	0.58	0.43	0.40	0.78	0.84	0.81	0.80	0.49	0.49	0.35	0.32	-0.03	-8.57	-0.17	-34.02
Paraguay	0.55	0.48	0.45	0.35	0.78	0.53	0.84	0.80	0.43	0.26	0.38	0.28	-0.10	-26.32	0.03	9.80
Greece	0.27	0.24	0.30	0.30	1.18	1.34	1.16	1.16	0.31	0.32	0.35	0.35	0.00	0.00	0.03	9.37
Syria	0.16	0.17	0.17	0.17	1.86	2.08	2.08	2.08	0.29	0.35	0.36	0.36	0.00	0.00	0.01	1.69
Mexico	0.19	0.25	0.05	0.05	1.83	1.40	1.70	1.70	0.34	0.35	0.09	0.09	0.00	0.00	-0.26	-75.71
Colombia	0.26	0.28	0.24	0.12	1.10	1.02	1.09	1.04	0.29	0.28	0.26	0.12	-0.14	-53.85	-0.16	-57.14
Sudan	0.18	0.20	0.20	0.20	1.07	0.96	1.00	1.00	0.19	0.19	0.20	0.20	0.00	0.00	0.01	5.26
Others	2.77	2.81	2.86	2.79	0.60	0.54	0.54	0.49	1.67	1.51	1.54	1.37	-0.17	-10.93	-0.14	-9.22

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**TABLE 14**  
**Peanut Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area			Yield			Production			Change in Production							
	Prel. 1992/93 Proj.			Prel. 1992/93 Proj.			Prel. 1992/93 Proj.			From last month		From last year					
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent	
World	Million hectares			Metric tons per hectare			Million metric tons			MMT	Percent	MMT	Percent	MMT	Percent	MMT	Percent
United States	19.40	19.81	19.44	19.50	1.14	1.12	1.13	1.13	1.13	22.21	22.18	22.06	22.09	0.04	0.17	-0.08	-0.37
Total Foreign	0.73	0.82	0.68	0.68	2.23	2.74	2.84	2.84		1.63	2.24	1.94	1.94	0.00	0.00	-0.29	-13.06
India	18.66	18.99	18.76	18.82	1.10	1.05	1.07	1.07		20.57	19.94	20.11	20.15	0.04	0.19	0.21	1.05
China	8.31	8.67	8.50	8.50	0.90	0.82	0.98	0.98		7.51	7.10	8.30	8.30	0.00	0.00	1.20	16.90
Indonesia	2.91	2.88	2.95	2.95	2.19	2.19	1.80	1.80		6.37	6.30	5.30	5.30	0.00	0.00	-1.00	-15.87
Senegal	0.60	0.62	0.64	0.64	1.43	1.45	1.45	1.45		0.86	0.89	0.93	0.93	0.00	0.00	0.04	4.49
Burma	0.91	0.87	0.88	0.88	0.77	0.83	0.82	0.82		0.70	0.72	0.73	0.73	0.00	0.00	0.00	0.14
Argentina	0.55	0.54	0.49	0.49	0.86	0.81	0.86	0.86		0.47	0.44	0.42	0.42	0.00	0.00	-0.02	-4.55
Sudan	0.22	0.16	0.09	0.09	2.61	2.50	2.50	2.50		0.57	0.40	0.23	0.23	0.00	0.00	-0.18	-43.75
Zaire	0.54	0.53	0.55	0.55	0.60	0.75	0.71	0.71		0.33	0.40	0.39	0.39	0.00	0.00	-0.01	-2.50
Nigeria	0.53	0.53	0.53	0.53	0.72	0.72	0.72	0.72		0.38	0.38	0.38	0.38	0.00	0.00	0.00	0.00
Vietnam	0.50	0.48	0.50	0.50	0.50	0.46	0.50	0.50		0.25	0.22	0.25	0.25	0.00	0.00	0.03	13.64
Rep. of South Africa	0.30	0.30	0.30	0.30	0.98	0.98	0.98	0.98		0.30	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Brazil	0.09	0.20	0.10	0.16	1.30	0.57	1.30	1.01		0.11	0.12	0.13	0.17	0.04	26.92	0.05	42.24
Thailand	0.10	0.10	0.09	0.09	1.65	1.68	1.78	1.78		0.16	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Burkina Faso	0.12	0.12	0.12	0.12	1.33	1.31	1.32	1.32		0.16	0.16	0.16	0.16	0.00	0.00	0.00	1.25
Central African Rep.	0.22	0.23	0.23	0.23	0.68	0.69	0.69	0.69		0.15	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Cameroon	0.13	0.13	0.13	0.13	1.08	1.12	1.12	1.12		0.14	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Cote d' Ivoire	0.32	0.32	0.32	0.32	0.44	0.44	0.44	0.44		0.14	0.14	0.14	0.14	0.00	0.00	0.00	0.00
Gambia	0.15	0.15	0.15	0.15	0.97	0.97	0.98	0.98		0.15	0.15	0.15	0.15	0.00	0.00	0.00	1.35
Uganda	0.08	0.10	0.10	0.10	0.94	1.26	1.26	1.26		0.08	0.12	0.12	0.12	0.00	0.00	0.00	0.00
Others	0.14	0.14	0.14	0.14	0.79	0.79	0.79	0.79		0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
	1.96	1.93	1.95	1.95	0.84	0.80	0.83	0.83		1.64	1.54	1.63	1.63	0.00	0.18	0.09	5.92



**TABLE 15**  
**Sunflowerseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.		1992/93 Proj.		Prel.		1992/93 Proj.		Prel.		1992/93 Proj.		From last month		From last year	
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	16.36	17.11	17.24	17.14	1.40	1.25	1.24	1.24	22.85	21.39	21.45	21.22	-0.23	-1.08	-0.17	-0.82
United States	0.75	1.08	0.84	0.84	1.38	1.51	1.41	1.41	1.03	1.64	1.18	1.18	0.00	0.00	-0.46	-27.94
Total Foreign	15.61	16.02	16.40	16.30	1.40	1.23	1.24	1.23	21.82	19.76	20.27	20.04	-0.23	-1.14	0.28	1.43
FSU-12	4.67	4.50	4.60	4.60	1.41	1.25	1.20	1.20	6.56	5.64	5.53	5.53	0.00	0.00	-0.11	-1.95
Argentina	2.30	2.80	2.40	2.40	1.83	1.36	1.50	1.46	4.20	3.80	3.60	3.50	-0.10	-2.78	-0.30	-7.89
EC-12	2.61	2.35	2.63	2.63	1.64	1.69	1.56	1.56	4.26	3.97	4.10	4.10	0.00	0.00	0.12	3.07
France	1.14	1.03	1.01	1.01	2.12	2.47	2.31	2.31	2.42	2.54	2.33	2.33	0.00	0.00	-0.21	-8.27
Spain	1.20	1.07	1.40	1.40	1.08	0.84	0.93	0.93	1.30	0.90	1.30	1.30	0.00	0.00	0.40	44.44
Italy	0.17	0.15	0.09	0.09	2.33	2.38	2.22	2.22	0.40	0.35	0.20	0.20	0.00	0.00	-0.15	-42.53
Eastern Europe	1.23	1.34	1.42	1.42	1.71	1.69	1.51	1.51	2.10	2.26	2.15	2.15	0.00	0.00	-0.11	-5.04
Hungary	0.35	0.35	0.35	0.35	1.95	2.00	2.00	2.00	0.67	0.70	0.70	0.70	0.00	0.00	0.00	0.00
Romania	0.40	0.48	0.57	0.57	1.41	1.28	1.19	1.19	0.56	0.61	0.68	0.68	0.00	0.00	0.07	11.11
Yugoslavia	0.21	0.19	0.18	0.18	1.97	2.00	1.81	1.81	0.42	0.38	0.33	0.33	0.00	0.00	-0.06	-14.47
Bulgaria	0.24	0.27	0.27	0.27	1.57	1.64	1.22	1.22	0.37	0.44	0.33	0.33	0.00	0.00	-0.11	-25.34
Czechoslovakia	0.03	0.06	0.05	0.05	2.32	2.32	2.30	2.30	0.08	0.13	0.12	0.12	0.00	0.00	-0.02	-11.54
China	0.71	0.75	0.73	0.73	1.88	1.47	1.45	1.45	1.34	1.10	1.05	1.05	0.00	0.00	-0.05	-4.55
Turkey	0.70	0.55	0.70	0.70	1.23	1.18	1.40	1.40	0.86	0.65	0.98	0.98	0.00	0.00	0.33	50.77
India	1.63	2.10	2.20	2.20	0.53	0.56	0.59	0.59	0.87	1.18	1.30	1.30	0.00	0.00	0.12	10.17
Rep. of South Africa	0.58	0.45	0.50	0.40	1.02	0.38	1.05	0.95	0.59	0.17	0.53	0.38	-0.15	-27.62	0.21	119.65
Australia	0.17	0.09	0.14	0.14	0.90	1.02	0.94	0.94	0.15	0.09	0.13	0.13	0.00	0.00	0.04	46.67
Burma	0.15	0.18	0.17	0.17	0.64	0.60	0.64	0.64	0.10	0.11	0.11	0.11	0.00	0.00	0.00	2.83
Others	0.88	0.92	0.91	0.91	0.89	0.85	0.87	0.89	0.78	0.78	0.80	0.81	0.01	1.75	0.03	4.24

**TABLE 16**  
**Rapeseed Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change in Production			
	Prel.				Prel.				Prel.				From last month			
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	MMT	Percent	MMT	Percent
	Million hectares				Metric tons per hectare				Million metric tons							
World	18.26	20.59	20.19	20.18	1.38	1.38	1.31	1.34	25.21	28.51	26.41	27.02	0.61	2.30	-1.49	-5.23
United States	0.03	0.07	0.06	0.06	1.74	1.42	1.55	1.55	0.05	0.09	0.09	0.09	0.00	0.00	-0.01	-9.57
Total Foreign	18.23	20.52	20.13	20.12	1.38	1.38	1.31	1.34	25.15	28.42	26.33	26.94	0.61	2.31	-1.48	-5.22
India	5.78	6.47	6.60	6.60	0.90	0.93	0.98	0.98	5.23	6.00	6.45	6.45	0.00	0.00	0.45	7.50
China	5.50	6.10	6.05	6.05	1.26	1.22	1.17	1.26	6.96	7.44	7.10	7.65	0.55	7.75	0.21	2.88
Canada	2.53	3.14	2.90	2.90	1.29	1.34	1.27	1.27	3.27	4.22	3.69	3.69	0.00	0.00	-0.54	-12.67
EC-12	2.13	2.43	2.33	2.32	2.88	3.02	2.68	2.68	6.15	7.34	6.22	6.21	-0.01	-0.19	-1.13	-15.39
France	0.69	0.72	0.68	0.68	2.80	3.11	2.75	2.75	1.94	2.23	1.86	1.86	0.00	0.00	-0.37	-16.41
Germany	0.72	0.95	1.00	1.00	2.90	3.13	2.59	2.59	2.09	2.97	2.59	2.59	0.00	0.00	-0.38	-12.88
United Kingdom	0.39	0.44	0.42	0.42	3.08	2.96	3.00	3.00	1.20	1.30	1.26	1.26	0.00	0.00	-0.04	-3.08
Denmark	0.27	0.28	0.18	0.18	2.94	2.59	2.22	2.22	0.79	0.73	0.40	0.40	0.00	0.00	-0.33	-44.90
Eastern Europe	0.74	0.71	0.63	0.63	2.39	2.29	2.00	2.00	1.76	1.62	1.26	1.26	0.00	0.00	-0.37	-22.72
Poland	0.50	0.47	0.42	0.42	2.41	2.23	1.88	1.88	1.21	1.04	0.79	0.79	0.00	0.00	-0.26	-24.74
Czechoslovakia	0.14	0.17	0.15	0.15	2.77	2.70	2.52	2.52	0.38	0.45	0.38	0.38	0.00	0.00	-0.07	-15.73
FSU-12	0.44	0.49	0.48	0.48	1.12	1.10	0.81	0.81	0.49	0.53	0.39	0.39	0.00	0.00	-0.14	-26.97
Sweden	0.16	0.15	0.13	0.13	2.25	1.74	1.43	1.94	0.37	0.25	0.18	0.25	0.07	37.22	-0.01	-1.98
Pakistan	0.30	0.32	0.32	0.32	0.75	0.69	0.76	0.76	0.23	0.22	0.24	0.24	0.00	0.00	0.02	10.96
Bangladesh	0.35	0.35	0.35	0.35	0.66	0.66	0.66	0.66	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Finland	0.07	0.06	0.07	0.07	1.91	1.72	1.80	1.80	0.12	0.11	0.12	0.12	0.00	0.00	0.01	13.33
Others	0.23	0.31	0.28	0.28	1.53	1.46	1.58	1.64	0.36	0.45	0.45	0.45	0.00	0.44	0.00	-0.22

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Production Estimates & Crop Assessment Division, FAS, USDA



**TABLE 17**  
**Copra, Palm Kernel, and Palm Oil Production**  
**World and Selected Countries and Regions**

Country/Region	Production				Change in Production			
	Prel.		1992/93 Proj.		From last month		From last year	
	1990/91	1991/92	Feb	Mar				
	Million metric tons				MMT	Percent	MMT	Percent
<u>COPRA</u>								
World	4.76	4.78	4.86	4.85	0.00	-0.04	0.07	1.46
Philippines	2.01	1.97	2.02	2.02	0.00	0.00	0.05	2.54
Indonesia	1.31	1.38	1.39	1.39	0.00	0.00	0.01	1.09
India	0.40	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Mexico	0.13	0.15	0.15	0.15	0.00	0.00	0.00	-0.68
Sri Lanka	0.13	0.06	0.08	0.08	0.00	0.00	0.02	31.15
Vietnam	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Malaysia	0.08	0.09	0.09	0.09	0.00	0.00	0.00	-5.56
Others	0.58	0.57	0.56	0.56	0.00	-0.36	-0.01	-1.41
<u>PALM KERNEL</u>								
World	3.32	3.41	3.62	3.63	0.01	0.33	0.22	6.60
Malaysia	1.77	1.81	1.97	1.97	0.00	0.00	0.16	8.96
Indonesia	0.66	0.66	0.71	0.71	0.00	0.00	0.04	6.82
Nigeria	0.26	0.27	0.28	0.28	0.00	0.00	0.01	3.70
Cote d' Ivoire	0.06	0.06	0.06	0.06	0.00	0.00	0.00	3.57
Colombia	0.05	0.07	0.06	0.07	0.01	20.00	0.00	2.86
Thailand	0.04	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Zaire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Ecuador	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Others	0.43	0.44	0.45	0.45	0.00	0.00	0.00	0.90
<u>PALM OIL</u>								
World	11.09	11.48	12.29	12.35	0.05	0.45	0.86	7.52
Malaysia	6.03	6.22	6.65	6.65	0.00	0.00	0.43	6.88
Indonesia	2.65	2.75	3.15	3.15	0.00	0.00	0.40	14.55
Nigeria	0.60	0.63	0.60	0.60	0.00	0.00	-0.03	-4.76
Cote d' Ivoire	0.28	0.28	0.29	0.29	0.00	0.00	0.00	1.42
Colombia	0.25	0.30	0.27	0.32	0.06	20.68	0.03	8.81
Thailand	0.20	0.22	0.24	0.24	0.00	0.00	0.02	7.73
Zaire	0.12	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Ecuador	0.12	0.13	0.13	0.13	0.00	0.00	0.00	1.54
Others	0.84	0.85	0.86	0.86	0.00	0.00	0.02	2.01

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Production Estimates & Crop Assessment Division, FAS, USDA

**TABLE 18**  
**Cotton Area, Yield, and Production**  
**World and Selected Countries and Regions**

Country/Region	Area				Yield				Production				Change In Production			
	Prel.		1992/93 Proj.		Prel.		1992/93 Proj.		Prel.		1992/93 Proj.		From Last Month		From Last Year	
	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar	1990/91	1991/92	Feb	Mar				
		Million hectares				Kilograms per hectare				Million 480 lb. bales			MBales	Percent	MBales	Percent
World	33.03	34.75	32.60	32.49	573	601	562	557	86.98	95.95	84.10	83.15	-0.94	-1.12	-12.80	-13.34
United States	4.75	5.25	4.51	4.51	711	731	784	784	15.51	17.61	16.26	16.26	0.00	0.00	-1.35	-7.69
Total Foreign	28.29	29.50	28.08	27.97	550	578	526	521	71.48	78.33	67.84	66.89	-0.94	-1.39	-11.44	-14.61
Major Exporters																
China	17.28	18.11	17.02	17.00	695	742	658	651	55.13	61.74	51.41	50.81	-0.60	-1.17	-10.93	-17.71
Pakistan	5.59	6.54	6.75	6.75	807	869	677	671	20.70	26.10	21.00	20.80	-0.20	-0.95	-5.30	-20.31
Sudan	2.66	2.88	2.46	2.46	615	756	664	637	7.52	10.00	7.50	7.20	-0.30	-4.00	-2.80	-28.00
Turkey	0.20	0.19	0.19	0.19	422	494	463	463	0.38	0.42	0.40	0.40	0.00	0.00	-0.02	-4.76
FSU-12	0.64	0.60	0.63	0.63	1021	937	957	957	3.01	2.58	2.78	2.78	0.00	0.00	0.20	7.91
Egypt	3.17	3.01	2.85	2.85	818	814	733	733	11.91	11.25	9.60	9.60	0.00	0.00	-1.65	-14.67
African Franc Zone	0.42	0.36	0.35	0.35	719	814	987	987	1.38	1.34	1.60	1.60	0.00	0.00	0.26	19.58
Southern Hemisphere	1.17	1.23	1.18	1.18	457	438	466	466	2.46	2.47	2.53	2.53	0.00	0.00	0.06	2.30
Argentina	3.44	3.31	2.60	2.58	493	499	502	498	7.78	7.59	6.00	5.90	-0.10	-1.67	-1.68	-22.21
Australia	0.63	0.58	0.40	0.40	468	431	435	435	1.36	1.15	0.80	0.80	0.00	0.00	-0.35	-30.31
Brazil	0.28	0.28	0.25	0.25	1552	1770	1388	1388	1.99	2.29	1.60	1.60	0.00	0.00	-0.69	-30.19
Paraguay	1.98	1.97	1.60	1.58	354	381	381	358	3.22	3.45	2.80	2.60	-0.20	-7.14	-0.84	-24.53
	0.55	0.48	0.35	0.35	482	318	498	560	1.22	0.70	0.80	0.90	0.10	12.50	0.20	28.57
Major Importers																
	0.48	0.44	0.49	0.49	731	825	801	801	1.62	1.66	1.82	1.82	0.00	0.00	0.16	9.72
Other Foreign																
India	10.52	10.95	10.57	10.48	305	297	301	296	14.72	14.93	14.61	14.26	-0.35	-2.36	-0.67	-4.50
Others	7.40	7.68	7.48	7.48	269	267	285	285	9.14	9.43	9.80	9.80	0.00	0.00	0.37	3.92
	3.12	3.27	3.09	3.00	390	366	339	324	5.59	5.50	4.81	4.46	-0.34	-7.18	-1.04	-18.94

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Production Estimates & Crop Assessment Division, FAS, USDA



TABLE 19

The table below presents a 11-year record of the difference between the March projections and the final estimates. Using world wheat production as an example, changes between the March projection and the final estimate have averaged 3.4 million tons (0.7 percent) and ranged from -8.0 to 6.9 million tons. The March projection has been below the final 7 times and above the final 4 times.

## RELIABILITY OF PRODUCTION PROJECTIONS

COMMODITY AND REGION	PROJECTION AND FINAL ESTIMATES, 1981/82 - 1991/92 1/					
	Difference		Lowest	Highest	Below Final	Above Final
	Average	Average	Difference			
	Percent	---Million metric tons---			Number of years 2/	
<i>WHEAT</i>						
World	0.7	3.4	-8.0	6.9	7	4
U.S.	0.1	0.0	-0.1	0.1	5	2
Foreign	0.8	3.4	-8.0	6.9	7	4
<i>COARSE GRAINS 3/</i>						
World	0.6	5.0	-10.9	4.1	7	4
U.S.	0.1	0.2	-0.2	1.3	7	1
Foreign	0.9	5.1	-10.9	4.2	7	4
<i>RICE (Milled)</i>						
World	1.3	4.0	-10.0	2.3	9	2
U.S.	1.3	0.1	-0.2	0.1	5	1
Foreign	1.3	4.0	-9.9	2.3	9	2
<i>SOYBEANS</i>						
World	1.5	1.4	-2.2	1.5	5	6
U.S.	1.0	0.5	-1.1	1.8	4	5
Foreign	2.4	1.1	-2.2	1.6	7	4
		---Million 480-lb. bales---				
<i>COTTON</i>						
World	1.0	0.8	-2.9	3.0	5	5
U.S.	0.7	0.1	-0.1	0.3	3	7
Foreign	1.2	0.8	-3.2	2.9	5	5
<i>UNITED STATES</i>		-----Million bushels-----				
<i>CORN</i>	0.1	4	-8	38	1	1
<i>SORGHUM</i>	0.1	1	0	4	0	2
<i>BARLEY</i>	0.5	2	-3	11	6	1
<i>OATS</i>	0.1	0	-2	0	3	0

1/ The final estimate for 1981/82-1990/91 is defined as the first November estimate following the marketing year.

2/ May not total 11 if projection was the same as the final.

3/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain.

# WORLD AGRICULTURAL WEATHER HIGHLIGHTS

MARCH 10, 1993



## 1 - UNITED STATES

Cool, wet weather limited early-season fieldwork. Flooding damaged some winter vegetables in the Southwest. Winter wheat's protective snow cover diminished in early March. The 1992 harvest remains unfinished in corn belt.

## 2 - SOUTH AMERICA

In Argentina, recent showers and adequate soil moisture reserves favor blooming to filling soybeans, despite below-normal February rains. Recent wet weather delayed cotton harvesting across northern Argentina. Continued widespread showers aid soybeans across southern Brazil, but slow early corn harvesting.

## 3 - EUROPE

Winter grains remained dormant, with adequate moisture across the north. Drought stressed crops and reduced moisture reserves in Spain. Recent rain benefits crops in Italy.

## 4 - FSU: WEST

Winter grains remain dormant. Winter dryness limited moisture recharge in Ukraine, northern North Caucasus, and parts of Volga Valley. Snow cover protected winter grains from recent bitter cold.

## 5 - SOUTH AFRICA

Scattered showers and seasonable temperatures benefited reproductive to filling corn across the region, although isolated dry pockets persisted. Rainfall was below normal again over Natal's southern sugarcane areas.

## 6 - SOUTH ASIA

Hot weather in mid-February accelerated growth of winter grains and oilseeds, stressing some reproductive crops. Subsequent rain in late-February and early-March improved condition of winter crops, especially the rainfed portion.

## 7 - EASTERN ASIA

Above normal temperatures prompted greening of winter wheat across the North China Plain. However, a late February cold spell burned back new growth. Above normal rain fell across southern China aiding rice seedbed preparation.

## 8 - SOUTHEAST ASIA

Frequent showers over Java maintained reservoir levels but flooding damaged some rice fields. Rainfall was unseasonably light over Malaysia's rice and oil palm areas. Showers increased over crop regions of the eastern Philippines, benefiting secondary rice.

## 9 - AUSTRALIA

Persistent dry weather sharply reduces eastern cotton and sorghum yield prospects. Northern sugarcane areas receive below normal February rainfall.

## 10 - NORTHWESTERN AFRICA

Winter grains were in the vegetative stage. Recent rain eased drought conditions in northern Morocco and western Algeria. Unseasonably cold weather covered the region, with sub-freezing temperatures occurring over interior crop areas of Algeria and Tunisia.

*(More details are available in the Weekly Weather and Crop Bulletin. Subscription information may be obtained by calling (202) 720-7917.)*



## WEATHER BRIEFS

### SOUTHERN EUROPE: RAIN BRINGS RELIEF, IBERIA REMAINS DRY

Precipitation during January and most of February was below normal across southern Europe. However, much-needed rain (25-50 mm) fell from February 27 through March 7, 1993 across portions of Italy, southern France, and southeastern Europe. This rainfall improved soil moisture for winter grains, orchards, pastures, and spring planting. Only light precipitation fell over the Iberian Peninsula, where drought-like conditions have interfered with the early growth of winter grains and spring planting. Low irrigation reserves across Spain and Portugal also have created unfavorable crop prospects for the summer growing season. Temperatures have been normal-to-below normal across southern Europe during February and early March, delaying the emergence of spring crop but slowing moisture loss across the drought-stricken Iberian Peninsula.

### SOUTH AFRICA: SUMMER CROPS BENEFIT FROM RECENT RAINS

In early January, soil moisture was becoming critically short for the maintenance of adequate corn-growing conditions across the western and central Orange Free State and southwestern Transvaal of South Africa. However, from January 24 through March 10, 1993 precipitation was frequent in occurrence and widespread across the entire primary summer crop growing region. This precipitation greatly benefited corn which has reached the moisture-critical filling stage by early March. Portions of southwestern and south-central Transvaal and northern Orange Free State underwent a minor dry spell during mid-February. However, moderate rainfall from February 21 to March 7 improved growing conditions there. Elsewhere in South Africa, moderate rainfall continued during February and early March across Lesotho, Natal, and eastern Cape Province, greatly improving crop conditions.

### NORTHWEST AFRICA: RAINFALL REMAINS BELOW NORMAL

Widespread moderate-to-heavy precipitation (25-50 mm, with local amounts in excess of 75 mm) covered the winter grains growing areas of northern Morocco and western Algeria February 27 to March 7, 1993. This precipitation temporarily halted the decline in grain yields and provided moisture for pastures and rangeland. Rainfall during this period was much lighter (10-25 mm) across Morocco's southern grain area. Rainfall from January 12 through February 26, 1993 across Morocco and western Algeria was below normal and below last year's level. Precipitation has been below normal and insufficient to allow for uniform winter grain planting and emergence since October 1. Precipitation continued to be below normal across the interior winter grain areas of eastern Algeria and Tunisia during February and early March. Precipitation has been below normal since about January 12 across this area, following generally normal and favorable growing conditions from October through December 1992.

## FORMER SOVIET UNION: WEATHER AND CROP DEVELOPMENTS

In February, overwintering conditions for winter grains continued favorable in most areas. While temperatures in February averaged 2-5 degrees C. above normal, a brief episode of bitter cold from February 14-17 covered the eastern portion of Central Region, Volga Vyatsk Region, Volga Valley, Black Soils Region, the eastern Ukraine, and northern tip of North Caucasus. Minimum temperatures in these areas ranged from -15 to -26 degrees C., exceeding the threshold for potential winterkill. Although an adequate snow cover protected crops in most areas, snow cover was limited in lower Volga and northern North Caucasus, leaving winter grains vulnerable to potential freeze damage. Precipitation in February was mostly below normal, except for the Baltic States, Northwest Region, eastern Belarus, southern Moldova, and central Ukraine, where precipitation was above normal. The moisture that covered central Ukraine fell in late-February, and was the first significant precipitation since the beginning of the 1993 winter season. Since early March, unseasonably cold weather and light, widespread snow covered dormant winter grains.



## PRODUCTION BRIEFS

### BRAZIL: 1993/94 COFFEE FORECAST UNCHANGED FROM EARLIER ASSESSMENT

Brazil's 1993/94 coffee production, forecast at 27 million bags (60-kilogram), is unchanged from the December 1992 forecast, according to the U.S. agricultural counselor in Brasilia. The 1993/94 forecast is up 13 percent or 3.0 million bags from the 1992/93 crop. This second forecast for the 1993/94 season is based on field travel to Brazil's major coffee-producing areas from January 19 to February 5, 1993. All coffee producing areas in the States of Parana, Sao Paulo, and central, west, and southwest Minas Gerais were visited.

Field travel indicated that northern Parana coffee trees show no effect of the reduced rainfall during December. Most coffee trees in this state are in an on-year production cycle. Since the first of January, rainfall has been near normal and adequate to maintain the current load of coffee cherries. In the State of Sao Paulo, rainfall has been normal since the October/November flowering season and coffee trees are in an on-year cycle following last year's drought-reduced crop. The best yields are expected in the northeastern, southeastern, and central areas of the state, while fair to good yields are expected elsewhere. In the central, western, and southwestern areas of Minas Gerais, coffee trees had good flowerings and cherry setting in late November and mid-December. The coffee harvest in this state still depends largely on favorable weather through June and July. Minas Gerais coffee trees are in good vegetative condition and the load of coffee cherries reflects the on-year production cycle.

### CZECHOSLOVAKIA: MILK AND DAIRY PRODUCT OUTPUT DOWN IN 1992

Czechoslovakian milk production in 1992 is estimated at 5.47 million tons, 6 percent below 1991, according to the U.S. agricultural attache in Vienna. The number of milk cows, at 1.38 million head, was down 7 percent. The switch away from a centrally planned system of prices, which included subsidies to both consumers and producers, has put many dairy farms in severe financial difficulties. Czechoslovakian dairy product output also was down due to the reduced milk supplies. The output of cheese in 1992 is estimated at 130,000 tons, down from 140,000 produced in 1991. Similarly, butter production is estimated at 130,000 tons, down from 135,000 in 1991.

With the split of Czechoslovakia into 2 separate republics on January 1, 1993, output of the dairy sector this year will depend on how the 2 individual economies develop and on the level of Government support for the dairy sector in each republic. With larger and better financed production and processing units, the dairy sector of the Czech Republic is expected to stabilize at or near the 1992 output level. In contrast, the continuing financial squeeze is expected to have a larger impact on the relatively smaller Slovak production and processing units. In addition, the Slovak Government may be less able to provide financial support for the dairy sector.

The 1992/93 sugar estimate for the former Soviet Union (excluding the Baltic States) has been reduced to 6.15 million tons (raw value), down 1.25 million from the November 1992 forecast (WAP 11-92). The largest change occurred in Ukraine where the estimate of 3.30 million tons is down 700,000 from the earlier forecast. In Russia, the estimate was lowered 530,000 tons, to 2.4 million. In the Baltic States, sugar outturn for 1992/93 is estimated at 100,000 tons, up 20,000 from the November forecast.

CENTRIFUGAL SUGAR PRODUCTION IN THE FSU-12 AND BALTIC STATES  
(1,000 Metric tons – Raw value)

	1988/89	1989/90	1990/91	1991/92	1992/93 1/
Armenia	15	18	0	0	0
Belarus	171	176	175	130	110
Georgia	5	2	4	3	5
Kazakhstan	145	105	96	70	125
Kyrgyzstan 2/	0	0	0	0	10
Moldova	243	285	309	222	200
Russia	3,186	3,212	3,094	2,390	2,400
Ukraine	4,989	5,627	5,369	3,980	3,300
<b>Total FSU-12</b>	<b>8,754</b>	<b>9,425</b>	<b>9,047</b>	<b>6,795</b>	<b>6,150</b>
Latvia	35	42	34	35	35
Lithuania	124	93	83	90	65
<b>Total Baltics</b>	<b>159</b>	<b>135</b>	<b>117</b>	<b>125</b>	<b>100</b>

1/ Preliminary.

2/ NA = not available.

Source: FSU-12 data, attache reports, and analyst research.

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#### RUSSIA: DAIRY PRODUCTION DECLINE FORECAST TO CONTINUE IN 1993

Russia's 1992 milk production totaled 47.0 million tons, down 10 percent from the 1991 level, according to the U.S. agricultural minister-counselor in Moscow. Milk output in 1993 is forecast at 42.6 million tons. The number of cows in milk is forecast to decline from 20.6 million head in 1992 to 20.2 million in 1993. In 1992, the low returns to producers are directly related to the limited availability of quality feeds and falling incomes. These conditions are expected to continue throughout 1993.

For dairy products, the 1992 output of butter was reported at 746,000 tons, up 2 percent from the previous year. This increase is in contrast to most other livestock products that showed production declines. Producer prices for butter were more favorable than for other dairy products. Due to lower milk production and increased butter production, 1992 cheese output declined 25 percent, to 295,000 tons. Output in 1993 is forecast at 700,000 tons for butter and 280,000 for cheese. Both declines are attributed to the forecast decrease in milk production.

#### RUSSIA: POULTRY MEAT AND EGG PRODUCTION DOWN IN 1992

The output of poultry meat in Russia for 1992 is estimated at 1.58 million tons, down 10 percent from 1991, according to the U.S. agricultural minister-counselor in Moscow. Similarly, egg production is estimated at 42.6 billion in 1992, a 10-percent decline. In 1992, both the poultry meat and eggs sectors were hurt by low profitability, high input costs, limited feed supplies, and anemic demand caused by falling incomes. Revised forecasts for 1993 place poultry meat production at 1.49 million tons and egg production at 40.4 billion. The forecasts represent declines of 6 percent for poultry meat and 5 percent for eggs. The conditions that reduced production in 1992 also are expected to affect 1993 production.

#### WORLD: SUGAR PRODUCTION ESTIMATE REVISED DOWNWARD

World 1992/93 centrifugal sugar production is revised downward 2 percent to 114.4 million tons (raw basis). The new estimate is 1.8 million tons less than that published in December 1992 and 2.3 million below the 116.6 million-ton outturn in 1991/92. Sugar production from sugarbeets for 1992/93 is estimated at 37.8 million tons, down 1 percent from a year ago. Sugar from sugarcane, estimated at 76.6 million tons, is down 2 percent from last year.

The most significant country decreases since the December report occurred in the former Soviet Union (excluding the Baltic States), down 1.25 million tons to 6.2 million; Thailand, down 700,000 to 4.8 million; and India, down 550,000 to 14.0 million (includes khandsari). Major producing countries in Eastern Europe, except Poland which was unchanged, were down a combined total of 500,000 tons from December 1992. Partially offsetting the decreases since the December report are the following increases: 300,000 tons in Brazil to 9.5 million; 200,000 in Indonesia to 2.3 million; and 170,000 in Pakistan to 2.6 million. The estimate for the European Community was increased 96,000 tons to 17.1 million.

The estimate of 8.55 million tons for China is unchanged; however, official, preliminary data indicate a sharp increase in sugar production for the first quarter (October-December 1992). Also, there was a 7-percent upward revision of China's 1992/93 sugarcane production to 72.5 million tons, which partially

## FEATURE COMMODITY ARTICLES

### WORLD RED MEAT PRODUCTION

World red meat production for 1993 is forecast at 123.2 million tons (carcass weight equivalent basis), down slightly from the October 1992 forecast (WAP 10-92) of 123.4 million tons, but up 1 percent from the the revised 1992 estimate. Beef and veal production for 1993 is estimated at 47.8 million tons, essentially unchanged from both the October forecast and the revised 1992 estimate. Pork production for 1993 is forecast at 69.1 million tons, slightly below the October forecast, but up 3 percent from the revised 1992 estimate. Most of the year-to-year increase is expected to occur in China. Sheep and goat meat production for 1993 is estimated at 6.3 million tons, up 2 percent from the October forecast, but slightly below the revised 1992 estimate. Increased Chinese sheep and goat meat production was the major cause of the revision in the 1993 world total.

As of January 1993, world cattle numbers were estimated at 1,050.1 million head, up 2.5 million from the October estimate, but down 7.1 million from 1992. The major changes in the 1993 estimate are due largely to higher inventories in China, the EC-12, and Australia which more than offset a decline in the United States. At the start of 1993, hog numbers were estimated at 771.8 million head, up 10.7 million from the October forecast and up 9.5 million from the 1992 level. The revision to 1993 world hog inventories largely is due to higher inventories in China.

Sheep and goat inventories at the beginning of 1993 were estimated at 814.3 million head, up slightly from the October forecast, but down 32.7 million from the starting inventories in 1992. Most of the year-to-year revisions in the 1992 numbers occurred in Australian and the FSU-12.

#### Beef

Beef production in North America for 1993 is estimated at 13.4 million tons, unchanged from the October forecast, but up slightly from 1992. The 1993 beef production for the United States is estimated at 10.7 million tons, slightly below the October forecast and 1 percent above the 1992 estimate. Canadian beef production is estimated at 955,000 tons, up 1 percent from the October forecast and up 2 percent from 1992. In Mexico, improved pasture conditions due to 3 consecutive years of favorable rains in the north, and producer anticipation of increased feeder cattle exports to the United States, under the NAFTA agreements, have encouraged herd growth and increased meat production. Mexican beef production for 1993 is estimated at 1.7 million tons, up 4 percent from the 1992 level.

In Brazil, beef production for 1993 is estimated at 4.0 million tons, up 3 percent from both the October 1993 forecast and the revised 1992 production level. The increase for 1993 is due in part to new government policies that are expected to increase domestic demand. Beef production in Argentina for 1993 is estimated at 2.6 million tons, down 2 percent from the the October forecast, but up slightly from 1992. The decline is due to reduced slaughter caused, in part, by falling cattle prices resulting from large imports of lower priced broiler meat from Brazil.



EC beef production for 1993 is estimated at 8.0 million tons, down 1 percent from the October forecast and down 2 percent from 1992. Actual 1992 production was 1 percent below the level estimated in October. The decline in 1992 production resulted in a 79.8 million head starting inventory for 1993, 1.1 million larger than forecast in October. Beef prices in late 1992 were above 1991 levels throughout most of the EC which has stimulated herd rebuilding. Heavy culling of cattle in the eastern Germany (former East Germany) is slowing as that region adjusts to market conditions.

In East Europe, estimated cattle inventories of 22.7 million head are down from last year as these countries continue to adjust to free markets. In Poland, beginning inventories for 1993 were estimated at 7.6 million head, down 3 percent from the October forecast and 5 percent below 1992. This decline is due to lower milk price supports and feed shortages in 1992. Higher milk prices and better feed supplies in 1993 are expected to stimulate some herd growth. In Romania, cattle inventory estimates have been reduced for both 1992 and 1993 due to drought, reduced feed supplies, and above normal rates of the culling.

In the newly independent States of the former Soviet Union, the beginning cattle herd is estimated at 97.6 million head, above the October estimate of 97.0 million, but down 8 percent from the 1992 inventory. Forecast output of beef at 6.5 million tons is 1 percent below the level forecast in October and 5 percent below output in 1992. The larger-than-expected inventory (lower than expected slaughter in late 1992) is probably due to better feed supplies stemming from the improved harvest and to the relatively unfavorable markets for meat. The forecast for cattle numbers and beef production in the Baltics were not changed.

Chinese beef production for 1993 is estimated at 2.0 million tons, unchanged from the October forecast, but up 18 percent from 1992. Improved management is allowing herd expansion and an increase in average slaughter weight. Japanese beef production for 1993 is estimated at 587,000 tons, down 6 percent from the October forecast. Lower wholesale prices have reduced the profitability of cattle feeding.

Australian beef production for 1993 is estimated at 1.7 million tons, up 1 percent from the October forecast, but down 3 percent from the revised 1992 estimate of 1.8 million tons. Production during 1992 was higher than forecast in October because drought induced high slaughter levels. The revised 1993 forecast reflects a slight increase in the cattle herd due to expectations of more favorable pasture conditions in northern Australia. However, the continued weak cash position of most farmers precludes strong herd growth at the national level.

### Pork

Pork production in North America for 1993 is estimated at 10.1 million tons, down slightly from the October forecast, but up 2 percent from the revised 1992 output. Hog inventories for January 1993 were estimated at 81.8 million head, up 2 percent from the October forecast and 5 percent above 1992 inventories. EC pork production for 1993 is estimated at 14.1 million tons, down slightly from the October forecast, but 3 percent above 1992. EC-12 pork prices have dropped sharply in recent months and inventories should start to decline during 1993.

In Eastern Europe reductions in hog numbers have slowed. Hog inventories at the beginning of 1993 were estimated at 53.5 million head, 1 percent above the October forecast due to herd growth in Hungary and Poland which offset a decline in Romanian hog numbers. Pork production for 1993 in the East European region is estimated at 4.8 million tons, down 4 percent from the October forecast. The decline in the regional total is mainly due to conditions in Romania where a shortage of feed and medical supplies is expected to cause pork production to drop by one-fourth.

Pork production in the former Soviet Union for 1993 is estimates at 4.7 million tons, up 2 percent from the October forecast. Production during 1992 in the Russian Republic was better than earlier forecast.

Chinese hog numbers at the start of 1993 were estimated at 385.0 million head, 4 percent above the October forecast and 4 percent above 1992. Strong local demand for pork, abundant feed supplies, and improved breeding stock resulted in the growth in production. Both slaughter numbers and carcass weights continued to increase during 1992. China's 1993 pork production is estimated at 28.0 million tons, 6 percent above the 1992 output level. Taiwan's pork production for 1993 is estimated at 1.1 million tons, down 3 percent from the September forecast. Beginning 1993 inventories in Taiwan were smaller than earlier expected. Japanese pork production for 1993 is forecast at 1.4 million tons, down 3 percent from both the October forecast and the 1992 estimate. Hog numbers in Japan are trending downward as farmers retire and/or reduce production due to tighter pollution laws.

#### Sheep and Goat Meat

World sheep and goat meat production for 1993 is estimated at 6.3 million tons, up 2 percent from the October forecast and 1992 levels. Chinese production is estimated at 1.4 million tons, up 8 percent from the October forecast. Since beginning inventories for 1993 fell only slightly, the growth in sheep and goat meat production does not appear to be caused by herd culling alone. Rather, the new pricing system for meat is stimulating an increase in productivity. Australian sheep inventories at the start of the year were 147.2 million head, slightly below the October forecast. Some sheep producers are now starting to cross meat breeds with the merino, the top wool breed. Their objective is to produce lambs better suited for meat production. Heavy culling of Australia's national flock is expected to continue until international wool prices improve.

In New Zealand, an expected decline in sheep numbers by 2 percent from June 1992 to June 1993 is attributed to severe snow storms and a cold, wet spring (Southern Hemisphere). These conditions caused unusually high death losses in Canterbury and Wairarapa. Prior to the losses, farmers had planned to start herd rebuilding in response to improved lamb and mutton prices.



TABLE 20  
RED MEAT PRODUCTION, SELECTED COUNTRIES 1/

(1,000 Metric tons–carcass weight equivalent)

	1990	1991	1992	1993 2/	1993 3/
Canada	2,057	2,022	2,138	2,095	2,105
Mexico	2,658	2,478	2,571	2,645	2,645
United States	17,594	17,956	18,581	19,012	18,962
<b>NORTH AMERICA</b>	<b>22,309</b>	<b>22,456</b>	<b>23,290</b>	<b>23,752</b>	<b>23,712</b>
Costa Rica	85	94	92	93	93
Dominican Republic	64	61	59	67	67
El Salvador	27	24	26	29	29
Guatemala	73	73	72	72	72
Honduras	23	23	24	24	24
<b>CENTRAL AMER &amp; CARIBBEAN</b>	<b>272</b>	<b>275</b>	<b>273</b>	<b>285</b>	<b>285</b>
Argentina	2,738	2,735	2,633	2,684	2,634
Brazil	4,650	4,800	5,050	5,100	5,200
Colombia	928	888	857	854	853
Peru	214	206	208	209	209
Uruguay	349	315	322	327	327
Venezuela	481	460	463	478	478
<b>SOUTH AMERICA</b>	<b>9,360</b>	<b>9,404</b>	<b>9,533</b>	<b>9,652</b>	<b>9,701</b>
Belgium-Luxembourg	1,100	1,279	1,246	1,231	1,301
Denmark	1,411	1,487	1,592	1,737	1,679
France	3,816	3,918	3,920	3,865	3,920
Germany	6,111	5,552	4,993	5,148	4,889
Greece	359	362	360	357	357
Ireland	755	823	834	847	847
Italy	2,583	2,608	2,572	2,568	2,607
Netherlands	2,198	2,231	2,214	2,216	2,228
Portugal	385	369	399	395	395
Spain	2,531	2,629	2,718	2,745	2,752
United Kingdom	2,331	2,389	2,302	2,360	2,353
<b>EUROPEAN COMMUNITY</b>	<b>23,580</b>	<b>23,647</b>	<b>23,150</b>	<b>23,469</b>	<b>23,328</b>
Austria	629	632	627	631	631
Finland	303	297	287	278	278
Sweden	438	405	399	406	406
Switzerland	434	439	436	437	437
<b>WESTERN EUROPE</b>	<b>1,804</b>	<b>1,773</b>	<b>1,749</b>	<b>1,752</b>	<b>1,752</b>
Bulgaria	636	631	540	411	411
Czechoslovakia	1,406	1,291	1,287	1,269	1,269
Hungary	1,084	1,062	652	845	674
Poland	2,736	2,768	2,632	2,512	2,625
Romania	1,080	1,036	1,008	848	750
Yugoslavia	1,218	1,105	1,113	1,109	1,109
<b>EASTERN EUROPE</b>	<b>8,160</b>	<b>7,893</b>	<b>7,232</b>	<b>6,994</b>	<b>6,838</b>
FSU-12	15,538	14,393	12,530	11,925	11,973
Baltic States	939	866	752	716	715
<b>Former USSR</b>	<b>16,477</b>	<b>15,259</b>	<b>13,282</b>	<b>12,641</b>	<b>12,688</b>
Israel	40	42	39	37	40
Saudi Arabia	28	27	28	40	28
Turkey	655	657	660	659	659
<b>MIDDLE EAST</b>	<b>723</b>	<b>726</b>	<b>727</b>	<b>736</b>	<b>727</b>
Egypt	489	508	507	508	508
South Africa	899	940	956	883	883
<b>AFRICA</b>	<b>1,388</b>	<b>1,448</b>	<b>1,463</b>	<b>1,391</b>	<b>1,391</b>
China	25,132	27,238	29,330	31,300	31,400
Hong Kong	20	15	15	17	16
India	2,609	2,626	2,638	2,699	2,699
Korea, South	765	759	845	890	890
Japan	2,104	2,057	2,009	2,035	1,967
Philippines	797	820	839	851	351
Singapore	76	81	87	89	89
Taiwan	1,014	1,131	1,125	1,155	1,120
<b>ASIA</b>	<b>32,517</b>	<b>34,727</b>	<b>36,888</b>	<b>39,036</b>	<b>39,032</b>
Australia	2,683	2,704	2,740	2,651	2,671
New Zealand	1,014	1,097	1,080	1,080	1,102
<b>OCEANIA</b>	<b>3,697</b>	<b>3,801</b>	<b>3,820</b>	<b>3,731</b>	<b>3,773</b>
<b>TOTAL</b>	<b>120,287</b>	<b>121,409</b>	<b>121,407</b>	<b>123,439</b>	<b>123,227</b>

1/ Includes beef, pork, sheep, and goat meat. 2/ Forecast October 1992. 3/ Revised March 1993.

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TABLE 21  
BEEF AND VEAL PRODUCTION, SELECTED COUNTRIES  
(1,000 Metric tons–carcass weight equivalent)

	1990	1991	1992	1993 1/	1993 2/
Canada	924	893	938	945	955
Mexico	1,790	1,580	1,660	1,720	1,720
United States	10,464	10,534	10,606	10,751	10,734
<b>NORTH AMERICA</b>	<b>13,178</b>	<b>13,007</b>	<b>13,204</b>	<b>13,416</b>	<b>13,409</b>
Costa Rica	85	94	92	93	93
Dominican Republic	51	47	44	51	51
El Salvador	27	24	26	29	29
Guatemala	59	59	58	58	58
Honduras	23	23	24	24	24
<b>CENTRAL AMER &amp; CARIBBEAN</b>	<b>245</b>	<b>247</b>	<b>244</b>	<b>255</b>	<b>255</b>
Argentina	2,650	2,650	2,555	2,610	2,560
Brazil	3,600	3,700	3,900	3,900	4,000
Colombia	795	768	736	727	727
Peru	116	109	105	108	108
Uruguay	349	315	322	327	327
Venezuela	382	351	361	375	375
<b>SOUTH AMERICA</b>	<b>7,892</b>	<b>7,893</b>	<b>7,979</b>	<b>8,047</b>	<b>8,097</b>
Belgium/Luxembourg	323	373	348	342	345
Denmark	202	213	220	210	207
France	1,753	1,815	1,780	1,720	1,720
Germany	2,112	2,182	1,815	1,755	1,670
Greece	82	81	80	78	78
Ireland	514	553	550	560	560
Italy	1,165	1,183	1,100	1,140	1,110
Netherlands	521	623	630	630	640
Portugal	114	126	150	143	143
Spain	513	509	540	525	530
United Kingdom	1,003	1,019	969	981	980
<b>EUROPEAN COMMUNITY</b>	<b>8,302</b>	<b>8,677</b>	<b>8,182</b>	<b>8,084</b>	<b>7,983</b>
Austria	223	232	225	225	225
Finland	117	121	114	108	108
Sweden	145	137	134	134	134
Switzerland	164	174	172	172	172
<b>WESTERN EUROPE</b>	<b>649</b>	<b>664</b>	<b>645</b>	<b>639</b>	<b>639</b>
Bulgaria	137	126	115	105	105
Czechoslovakia	454	471	468	450	450
Hungary	110	126	100	92	95
Poland	838	770	617	605	587
Romania	370	340	310	180	220
Yugoslavia	352	320	310	300	300
<b>EASTERN EUROPE</b>	<b>2,261</b>	<b>2,153</b>	<b>1,920</b>	<b>1,732</b>	<b>1,757</b>
FSU-12	8,386	7,832	6,861	6,614	6,543
Baltic States	436	405	361	343	343
<b>Former USSR</b>	<b>8,822</b>	<b>8,237</b>	<b>7,222</b>	<b>6,957</b>	<b>6,886</b>
Israel	40	42	39	37	40
Saudi Arabia	28	27	28	40	28
Turkey	285	290	295	295	295
<b>MIDDLE EAST</b>	<b>353</b>	<b>359</b>	<b>362</b>	<b>372</b>	<b>363</b>
Egypt	408	426	424	425	425
South Africa	661	700	716	647	647
<b>AFRICA</b>	<b>1,069</b>	<b>1,126</b>	<b>1,140</b>	<b>1,072</b>	<b>1,072</b>
China	1,256	1,535	1,700	2,000	2,000
India	2,023	2,031	2,043	2,095	2,095
Korea, South	131	136	145	165	165
Japan	549	574	579	615	587
Philippines	132	130	129	126	126
Taiwan	5	5	5	5	5
<b>ASIA</b>	<b>4,096</b>	<b>4,411</b>	<b>4,601</b>	<b>5,006</b>	<b>4,978</b>
Australia	1,718	1,735	1,782	1,708	1,727
New Zealand	471	524	517	560	597
<b>OCEANIA</b>	<b>2,189</b>	<b>2,259</b>	<b>2,299</b>	<b>2,268</b>	<b>2,324</b>
<b>TOTAL</b>	<b>49,056</b>	<b>49,033</b>	<b>47,798</b>	<b>47,848</b>	<b>47,763</b>

1/ Forecast October 1992. 2/ Revised March 1993.

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TABLE 22  
CATTLE AND BUFFALO INVENTORIES, SELECTED COUNTRIES  
(1,000 Head-January 1)

	1990	1991	1992	1993 1/	1993 2/
Canada	11,220	11,289	11,713	11,595	11,732
Mexico	31,747	29,847	30,232	30,712	30,692
United States	98,162	98,896	99,559	102,000	100,892
<b>NORTH AMERICA</b>	<b>141,129</b>	<b>140,032</b>	<b>141,504</b>	<b>144,307</b>	<b>143,316</b>
Costa Rica	1,762	1,762	1,707	1,673	1,673
Dominican Republic	1,986	1,977	1,976	1,981	1,981
El Salvador	1,220	1,242	1,361	1,488	1,488
Guatemala	1,900	1,820	1,790	1,755	1,755
Honduras	2,424	2,388	2,351	2,315	2,315
<b>CENTRAL AMER &amp; CARIBBEAN</b>	<b>9,292</b>	<b>9,189</b>	<b>9,185</b>	<b>9,212</b>	<b>9,212</b>
Argentina	57,282	56,880	56,529	56,682	56,872
Brazil	130,850	131,275	130,057	129,439	129,439
Colombia	16,835	16,225	16,008	16,137	16,137
Peru	3,800	3,600	3,440	3,310	3,310
Uruguay	9,377	9,431	9,943	10,419	10,419
Venezuela	13,210	13,368	14,192	14,467	14,467
<b>SOUTH AMERICA</b>	<b>231,354</b>	<b>230,779</b>	<b>230,169</b>	<b>230,454</b>	<b>230,644</b>
Belgium-Luxembourg	3,259	3,362	3,314	3,199	3,244
Denmark	2,232	2,241	2,222	2,200	2,180
France	21,394	21,446	20,970	19,870	20,928
Germany	20,287	19,488	17,134	15,944	16,200
Greece	687	634	616	600	600
Ireland	5,899	6,029	6,073	6,100	6,100
Italy	8,853	8,235	8,035	7,930	7,930
Netherlands	4,731	4,830	4,876	4,890	4,890
Portugal	1,291	1,341	1,416	1,400	1,400
Spain	5,331	5,300	5,063	5,050	4,778
United Kingdom	11,922	11,843	11,623	11,489	11,534
<b>EUROPEAN COMMUNITY</b>	<b>85,886</b>	<b>84,749</b>	<b>81,342</b>	<b>78,672</b>	<b>79,784</b>
Austria	2,562	2,584	2,534	2,542	2,542
Finland	1,363	1,315	1,263	1,230	1,230
Sweden	1,697	1,684	1,671	1,653	1,653
Switzerland	1,855	1,829	1,827	1,827	1,827
<b>WESTERN EUROPE</b>	<b>7,477</b>	<b>7,412</b>	<b>7,295</b>	<b>7,252</b>	<b>7,252</b>
Bulgaria	1,577	1,457	1,310	1,170	1,170
Czechoslovakia	5,129	4,922	4,346	4,000	4,000
Hungary	1,598	1,571	1,420	1,396	1,310
Poland	10,143	9,024	8,030	8,000	7,603
Romania	6,283	5,381	4,700	4,800	4,248
Yugoslavia	4,702	4,527	4,415	4,325	4,325
<b>EASTERN EUROPE</b>	<b>29,432</b>	<b>26,882</b>	<b>24,221</b>	<b>23,691</b>	<b>22,656</b>
FSU-12	113,677	111,200	106,000	97,000	97,595
Baltic States	4,667	4,485	4,275	3,912	3,912
<b>Former USSR</b>	<b>118,344</b>	<b>115,685</b>	<b>110,275</b>	<b>100,912</b>	<b>101,507</b>
Israel	190	185	181	184	181
Saudi Arabia	206	213	216	143	219
Turkey	12,700	12,200	12,000	11,900	11,900
<b>MIDDLE EAST</b>	<b>13,096</b>	<b>12,598</b>	<b>12,397</b>	<b>12,227</b>	<b>12,300</b>
Egypt	6,385	6,408	6,396	6,432	6,432
South Africa	13,398	13,512	13,311	12,850	12,850
<b>AFRICA</b>	<b>19,783</b>	<b>19,920</b>	<b>19,707</b>	<b>19,282</b>	<b>19,282</b>
China	100,752	102,884	104,590	105,700	107,000
India	270,070	272,293	271,200	271,255	271,255
Korea, South	2,051	2,126	2,269	2,496	2,496
Japan	4,760	4,873	4,980	5,034	5,055
Philippines	4,395	4,324	4,225	4,200	4,200
Taiwan	165	154	153	156	156
<b>ASIA</b>	<b>382,193</b>	<b>386,654</b>	<b>387,417</b>	<b>388,841</b>	<b>390,162</b>
Australia	24,673	25,026	25,630	24,412	25,582
New Zealand	7,828	8,034	8,100	8,320	8,411
<b>OCEANIA</b>	<b>32,501</b>	<b>33,060</b>	<b>33,730</b>	<b>32,732</b>	<b>33,993</b>
<b>TOTAL</b>	<b>1,070,487</b>	<b>1,066,960</b>	<b>1,057,242</b>	<b>1,047,582</b>	<b>1,050,108</b>

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TABLE 23  
PORK PRODUCTION, SELECTED COUNTRIES  
(1,000 Metric tons–carcass weight equivalent)

	1990	1991	1992	1993 1/	1993 2/
Canada	1,133	1,129	1,200	1,150	1,150
Mexico	792	820	830	840	840
United States	6,965	7,257	7,816	8,097	8,074
<b>NORTH AMERICA</b>	<b>8,890</b>	<b>9,206</b>	<b>9,846</b>	<b>10,087</b>	<b>10,064</b>
Brazil	1,050	1,100	1,150	1,200	1,200
Colombia	133	120	121	127	126
Dominican Republic	13	14	15	16	16
Guatemala	14	14	14	14	14
Venezuela	99	109	102	103	103
<b>CENTRAL &amp; SO AMERICA</b>	<b>1,309</b>	<b>1,357</b>	<b>1,402</b>	<b>1,460</b>	<b>1,459</b>
Belgium/Luxembourg	770	901	893	883	950
Denmark	1,207	1,272	1,370	1,525	1,470
France	1,870	1,918	1,960	1,970	2,025
Germany	3,949	3,320	3,135	3,350	3,175
Greece	147	153	153	152	152
Ireland	159	181	188	191	191
Italy	1,333	1,340	1,385	1,343	1,410
Netherlands	1,661	1,591	1,567	1,570	1,570
Portugal	243	214	219	220	220
Spain	1,788	1,877	1,928	1,970	1,970
United Kingdom	957	984	982	1,021	1,009
<b>EUROPEAN COMMUNITY</b>	<b>14,084</b>	<b>13,751</b>	<b>13,780</b>	<b>14,195</b>	<b>14,142</b>
Austria	406	400	402	406	406
Finland	186	176	173	170	170
Sweden	293	268	265	272	272
Switzerland	270	265	264	265	265
<b>WESTERN EUROPE</b>	<b>1,155</b>	<b>1,109</b>	<b>1,104</b>	<b>1,113</b>	<b>1,113</b>
Bulgaria	422	430	360	245	245
Czechoslovakia	942	810	809	809	809
Hungary	970	932	548	750	575
Poland	1,870	1,966	1,998	1,898	2,035
Romania	620	610	600	595	435
Yugoslavia	799	720	740	746	746
<b>EASTERN EUROPE</b>	<b>5,623</b>	<b>5,468</b>	<b>5,055</b>	<b>5,043</b>	<b>4,845</b>
FSU-12	6,146	5,634	4,875	4,560	4,662
Baltic States	494	452	384	366	365
<b>Former USSR</b>	<b>6,640</b>	<b>6,086</b>	<b>5,259</b>	<b>4,926</b>	<b>5,027</b>
China	22,808	24,523	26,330	28,000	28,000
Hong Kong	20	15	15	17	16
Korea, South	634	623	700	725	725
Japan	1,555	1,483	1,430	1,420	1,380
Philippines	665	690	710	725	725
Singapore	76	81	87	89	89
Taiwan	1,009	1,126	1,120	1,150	1,115
<b>ASIA</b>	<b>26,767</b>	<b>28,541</b>	<b>30,392</b>	<b>32,126</b>	<b>32,050</b>
Australia	319	312	324	328	328
New Zealand	43	44	47	45	45
<b>OCEANIA</b>	<b>362</b>	<b>356</b>	<b>371</b>	<b>373</b>	<b>373</b>
<b>TOTAL</b>	<b>64,830</b>	<b>65,874</b>	<b>67,209</b>	<b>69,323</b>	<b>69,073</b>

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TABLE 24  
HOG INVENTORIES, SELECTED COUNTRIES  
(1,000 Head-January 1)

	1990	1991	1992	1993 1/	1993 2/
Canada	10,650	10,190	10,501	10,400	10,680
Mexico	8,563	8,593	9,928	11,178	11,268
United States	53,821	54,477	57,684	58,948	59,815
<b>NORTH AMERICA</b>	<b>73,034</b>	<b>73,260</b>	<b>78,113</b>	<b>80,526</b>	<b>81,763</b>
Brazil	33,200	32,500	33,050	34,300	32,300
Colombia	2,499	2,303	2,365	2,369	2,421
Dominican Republic	306	306	305	302	302
Guatemala	1,100	1,110	1,110	1,105	1,105
Venezuela	2,326	1,971	1,727	1,673	1,673
<b>CENTRAL &amp; SO AMERICA</b>	<b>39,431</b>	<b>38,190</b>	<b>38,557</b>	<b>39,749</b>	<b>37,801</b>
Belgium/Luxembourg	6,510	6,496	6,571	6,591	6,517
Denmark	9,120	9,282	9,767	10,550	10,345
France	12,275	12,013	12,063	11,874	11,874
Germany	34,178	30,818	26,063	27,313	26,466
Greece	1,100	1,141	1,150	1,146	1,146
Ireland	999	1,069	1,134	1,200	1,200
Italy	9,261	8,837	8,523	9,030	8,500
Netherlands	13,638	13,788	13,727	13,800	13,800
Portugal	2,531	2,664	2,564	2,626	2,626
Spain	16,910	16,001	17,240	17,500	18,000
United Kingdom	7,383	7,380	7,519	7,595	7,610
<b>EUROPEAN COMMUNITY</b>	<b>113,905</b>	<b>109,489</b>	<b>106,321</b>	<b>109,225</b>	<b>108,084</b>
Austria	3,773	3,688	3,638	3,710	3,710
Finland	1,348	1,290	1,345	1,300	1,300
Sweden	2,264	2,170	2,180	2,250	2,250
Switzerland	1,787	1,723	1,678	1,559	1,559
<b>WESTERN EUROPE</b>	<b>9,172</b>	<b>8,871</b>	<b>8,841</b>	<b>8,819</b>	<b>8,819</b>
Bulgaria	4,352	4,187	3,140	2,340	2,340
Czechoslovakia	7,498	6,471	6,350	6,213	6,213
Hungary	7,660	8,000	5,993	5,000	6,200
Poland	18,685	19,739	20,725	20,000	21,078
Romania	11,659	12,003	11,600	12,500	10,800
Yugoslavia	7,231	7,358	7,050	6,850	6,850
<b>EASTERN EUROPE</b>	<b>57,085</b>	<b>57,758</b>	<b>54,858</b>	<b>52,903</b>	<b>53,481</b>
FSU-12	73,634	70,703	64,599	56,850	56,142
Baltic States	5,211	4,747	4,337	3,817	3,817
<b>Former USSR</b>	<b>78,845</b>	<b>75,450</b>	<b>68,936</b>	<b>60,667</b>	<b>59,959</b>
China	352,810	362,408	369,646	371,650	385,000
Korea, South	4,801	4,528	5,046	5,500	5,500
Japan	11,816	11,355	10,966	10,767	10,610
Philippines	8,124	8,007	7,932	8,050	8,050
Taiwan	7,783	8,565	10,089	10,300	9,754
<b>ASIA</b>	<b>385,334</b>	<b>394,863</b>	<b>403,679</b>	<b>406,267</b>	<b>418,914</b>
Australia	2,765	2,530	2,650	2,600	2,600
New Zealand	380	395	407	400	400
<b>OCEANIA</b>	<b>3,145</b>	<b>2,925</b>	<b>3,057</b>	<b>3,000</b>	<b>3,000</b>
<b>TOTAL</b>	<b>759,951</b>	<b>760,806</b>	<b>762,362</b>	<b>761,156</b>	<b>771,821</b>

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TABLE 25

**LAMB, MUTTON, GOAT MEAT PRODUCTION, SELECTED COUNTRIES**  
**(1,000 Metric tons–carcass weight equivalent)**

	1990	1991	1992	1993 1/	1993 2/
Mexico	76	78	81	85	85
United States	165	165	159	164	154
<b>NORTH AMERICA</b>	<b>241</b>	<b>243</b>	<b>240</b>	<b>249</b>	<b>239</b>
Argentina	88	85	78	74	74
<b>SOUTH AMERICA</b>	<b>88</b>	<b>85</b>	<b>78</b>	<b>74</b>	<b>74</b>
Belgium/Luxembourg	7	5	5	6	6
Denmark	2	2	2	2	2
France	193	185	180	175	175
Germany	50	50	43	43	44
Greece	130	128	127	127	127
Ireland	82	89	96	96	96
Italy	85	85	87	85	87
Netherlands	16	17	17	16	18
Portugal	28	29	30	32	32
Spain	230	243	250	250	252
United Kingdom	371	386	351	358	364
<b>EUROPEAN COMMUNITY</b>	<b>1,194</b>	<b>1,219</b>	<b>1,188</b>	<b>1,190</b>	<b>1,203</b>
Bulgaria	77	75	65	61	61
Czechoslovakia	10	10	10	10	10
Hungary	4	4	4	3	4
Poland	28	32	17	9	3
Romania	90	86	98	73	95
Yugoslavia	67	65	63	63	63
<b>EASTERN EUROPE</b>	<b>276</b>	<b>272</b>	<b>257</b>	<b>219</b>	<b>236</b>
FSU-12	1,006	927	794	751	768
Baltic States	9	9	7	7	7
<b>Former USSR</b>	<b>1015</b>	<b>936</b>	<b>801</b>	<b>758</b>	<b>775</b>
Egypt	81	82	83	83	83
South Africa	238	240	240	236	236
<b>AFRICA</b>	<b>319</b>	<b>322</b>	<b>323</b>	<b>319</b>	<b>319</b>
China	1,068	1,180	1,300	1,300	1,400
India	586	595	595	604	604
Turkey	370	367	365	364	364
<b>ASIA</b>	<b>2,024</b>	<b>2,142</b>	<b>2,260</b>	<b>2,268</b>	<b>2,368</b>
Australia	646	657	634	615	616
New Zealand	500	529	516	475	460
<b>OCEANIA</b>	<b>1,146</b>	<b>1,186</b>	<b>1,150</b>	<b>1,090</b>	<b>1,076</b>
<b>TOTAL</b>	<b>6,303</b>	<b>6,405</b>	<b>6,297</b>	<b>6,167</b>	<b>6,290</b>

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TABLE 26  
SHEEP INVENTORIES, SELECTED COUNTRIES  
(1,000 Head-January 1)

	1990	1991	1992	1993 1/	1993 2/
United States	11,363	11,200	10,750	10,700	10,191
<b>NORTH AMERICA</b>	<b>11,363</b>	<b>11,200</b>	<b>10,750</b>	<b>10,700</b>	<b>10,191</b>
Argentina	28,571	27,552	25,706	25,505	25,505
<b>SOUTH AMERICA</b>	<b>28,571</b>	<b>27,552</b>	<b>25,706</b>	<b>25,505</b>	<b>25,505</b>
Belgium/Luxembourg	158	157	225	246	246
Denmark	100	111	136	160	160
France	11,208	11,071	10,643	11,363	10,579
Germany	4,136	3,239	2,488	2,088	2,350
Greece	10,150	9,759	9,694	9,659	9,659
Ireland	5,782	6,001	6,187	6,400	6,400
Italy	11,695	10,848	10,800	10,750	10,750
Netherlands	1,702	1,882	1,954	1,900	2,000
Portugal	3,347	3,413	3,444	3,436	3,436
Spain	22,730	24,037	24,625	24,780	24,800
United Kingdom	29,521	30,147	28,932	28,950	28,980
<b>EUROPEAN COMMUNITY</b>	<b>100,529</b>	<b>100,665</b>	<b>99,128</b>	<b>99,732</b>	<b>99,360</b>
Bulgaria	7,988	7,938	6,703	6,300	6,300
Czechoslovakia	1,051	1,087	1,087	1,057	1,057
Hungary	2,069	1,865	1,808	1,595	1,630
Poland	4,196	3,798	2,377	1,950	1,600
Romania	15,442	14,062	14,342	13,716	14,500
Yugoslavia	7,596	7,431	7,264	7,137	7,137
<b>EASTERN EUROPE</b>	<b>38,342</b>	<b>36,181</b>	<b>33,581</b>	<b>31,755</b>	<b>32,224</b>
FSU-12	146,389	140,599	130,287	117,260	116,740
Baltic States	395	381	325	309	309
<b>Former USSR</b>	<b>146,784</b>	<b>140,980</b>	<b>130,612</b>	<b>117,569</b>	<b>117,049</b>
Egypt	3,534	3,554	3,460	3,411	3,411
South Africa	32,665	32,580	31,110	30,000	30,000
<b>AFRICA</b>	<b>36,199</b>	<b>36,134</b>	<b>34,570</b>	<b>33,411</b>	<b>33,411</b>
India	43,706	44,207	44,407	44,608	44,608
Turkey	45,300	45,000	44,700	44,500	44,500
<b>ASIA</b>	<b>89,006</b>	<b>89,207</b>	<b>89,107</b>	<b>89,108</b>	<b>89,108</b>
Australia	177,841	173,982	162,219	147,874	147,201
New Zealand	60,569	57,852	55,162	54,300	54,300
<b>OCEANIA</b>	<b>238,410</b>	<b>231,834</b>	<b>217,381</b>	<b>202,174</b>	<b>201,501</b>
<b>TOTAL</b>	<b>689,204</b>	<b>673,753</b>	<b>640,835</b>	<b>609,954</b>	<b>608,349</b>
China	211,642	210,021	206,210	203,610	206,000
<b>TOTAL</b>	<b>900,846</b>	<b>883,774</b>	<b>847,045</b>	<b>813,564</b>	<b>814,349</b>

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TABLE 27

**TOTAL MEAT PRODUCTION IN THE FSU-12 AND BALTIC STATES 1/  
(1,000 Metric tons–carcass weight equivalent)**

	1987	1988	1989	1990	1991	1992 2/	1993 2/
Armenia	108	114	105	93	85	69	60
Azerbaijan	184	185	189	176	153	114	100
Belarus	1,117	1,180	1,195	1,181	1,065	964	931
Georgia	174	172	179	170	133	115	109
Kazakhstan	1,400	1,492	1,567	1,557	1,524	1,258	1,200
Kyrgyzstan	204	223	242	254	230	209	196
Moldova	327	337	346	363	303	235	200
Russia	9,432	9,813	10,082	10,112	9,375	8,242	7,637
Tajikistan	112	113	112	108	86	69	65
Turkmenistan	99	98	103	106	100	78	75
Ukraine	4,242	4,395	4,430	4,358	4,029	3,466	3,100
Uzbekistan	404	439	478	484	492	451	430
<b>Total FSU-12</b>	<b>17,803</b>	<b>18,561</b>	<b>19,028</b>	<b>18,962</b>	<b>17,575</b>	<b>15,270</b>	<b>14,103</b>
Estonia	223	228	229	221	203	175	167
Latvia	338	344	331	309	288	249	237
Lithuania	531	545	534	530	496	431	409
<b>Total Baltics</b>	<b>1,092</b>	<b>1,117</b>	<b>1,094</b>	<b>1,060</b>	<b>987</b>	<b>855</b>	<b>813</b>

1/ Includes beef, pork, lamb, mutton, goat, poultry meat and a small quantity of other meats.

2/ Forecast.

Source: 1987–90: GOSKOMSTAT data; 1991–1993: USDA estimates.

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TABLE 28

**TOTAL RED MEAT PRODUCTION IN THE FSU-12 AND BALTIC STATES 1/  
(1,000 Metric tons–carcass weight equivalent)**

	1987	1988	1989	1990	1991	1992 2/	1993 2/
Armenia	79	81	73	59	62	49	48
Azerbaijan	125	126	131	122	110	77	75
Belarus	980	1,040	1,046	1,032	935	841	799
Georgia	133	135	141	131	106	91	86
Kazakhstan	1,135	1,223	1,289	1,282	1,269	1,038	995
Kyrgyzstan	165	180	198	209	194	174	169
Moldova	264	271	276	293	256	197	186
Russia	7,601	7,920	8,140	8,204	7,526	6,665	6,380
Tajikistan	96	98	96	92	78	62	60
Turkmenistan	87	86	90	93	91	72	71
Ukraine	3,493	3,639	3,650	3,608	3,342	2,875	2,731
Uzbekistan	346	377	404	413	424	389	373
<b>Total FSU-12</b>	<b>14,504</b>	<b>15,176</b>	<b>15,534</b>	<b>15,538</b>	<b>14,393</b>	<b>12,530</b>	<b>11,973</b>
Estonia	201	205	203	198	180	155	148
Latvia	294	300	286	267	246	213	203
Lithuania	480	490	477	474	440	384	364
<b>Total Baltics</b>	<b>975</b>	<b>995</b>	<b>966</b>	<b>939</b>	<b>866</b>	<b>752</b>	<b>715</b>

1/ Includes beef, pork, lamb, mutton and goat meat.

2/ Forecast.

Source: 1987–90: GOSKOMSTAT data; 1991–1993: USDA estimates.

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TABLE 29

**BEEF AND VEAL PRODUCTION IN THE FSU-12 AND BALTIC STATES**  
(1,000 Metric tons–carcass weight equivalent)

	1987	1988	1989	1990	1991	1992 1/	1993 1/
Armenia	43	45	41	35	33	28	27
Azerbaijan	80	78	83	74	66	44	42
Belarus	538	573	582	586	535	484	459
Georgia	56	58	63	57	43	38	36
Kazakhstan	632	689	727	717	709	580	551
Kyrgyzstan	66	72	85	91	89	80	76
Moldova	103	106	109	114	93	71	67
Russia	3,991	4,150	4,256	4,329	3,989	3,550	3,400
Tajikistan	57	58	58	55	46	39	37
Turkmenistan	45	44	45	47	47	37	35
Ukraine	1,982	2,019	2,011	1,986	1,878	1,631	1,548
Uzbekistan	246	272	292	295	304	279	265
<b>Total FSU-12</b>	<b>7,839</b>	<b>8,164</b>	<b>8,352</b>	<b>8,386</b>	<b>7,832</b>	<b>6,861</b>	<b>6,543</b>
Estonia	78	75	75	80	73	65	62
Latvia	133	136	129	125	116	103	98
Lithuania	229	241	224	231	216	193	183
<b>Total Baltics</b>	<b>440</b>	<b>452</b>	<b>428</b>	<b>436</b>	<b>405</b>	<b>361</b>	<b>343</b>

1/ Forecast

Source: USDA estimates based on GOSKOMSTAT data.

TABLE 30

**CATTLE AND BUFFALO INVENTORIES IN THE FSU-12 AND BALTIC STATES**  
(1,000 Head–January 1)

	1987	1988	1989	1990	1991	1992 1/	1993 1/
Armenia	860	834	742	690	640	599	549
Azerbaijan	2,025	2,012	1,979	1,915	1,832	1,716	1,570
Belarus	7,513	7,365	7,271	7,166	6,979	6,534	5,979
Georgia	1,635	1,585	1,548	1,427	1,338	1,216	1,113
Kazakhstan	9,528	9,672	9,752	9,818	9,796	9,084	8,313
Kyrgyzstan	1,161	1,190	1,215	1,205	1,169	1,095	1,002
Moldova	1,214	1,162	1,131	1,112	1,061	994	909
Russia	60,500	59,800	59,300	58,800	57,000	54,700	50,650
Tajikistan	1,367	1,358	1,363	1,349	1,352	1,266	1,159
Turkmenistan	776	774	799	820	829	777	711
Ukraine	26,725	25,969	25,621	25,195	24,623	23,728	21,713
Uzbekistan	4,074	4,103	4,130	4,180	4,581	4,291	3,927
<b>Total FSU-12</b>	<b>117,378</b>	<b>115,824</b>	<b>114,851</b>	<b>113,677</b>	<b>111,200</b>	<b>106,000</b>	<b>97,595</b>
Estonia	828	821	819	806	758	723	661
Latvia	1,481	1,460	1,472	1,439	1,401	1,335	1,222
Lithuania	2,488	2,494	2,435	2,422	2,326	2,217	2,029
<b>Total Baltics</b>	<b>4,797</b>	<b>4,775</b>	<b>4,726</b>	<b>4,667</b>	<b>4,485</b>	<b>4,275</b>	<b>3,912</b>

1/ Forecast

Source: 1987–90: GOSKOMSTAT data; 1991–1993: USDA estimates.

March 1993

Production Estimates and Crop Assessment Division FAS, USDA



TABLE 31

**PORK PRODUCTION IN THE FSU-12 AND BALTIC STATES**  
(1,000 Metric tons–carcass weight equivalent)

	1987	1988	1989	1990	1991	1992 1/	1993 1/
Armenia	23	23	20	15	18	12	12
Azerbaijan	12	11	12	13	11	8	8
Belarus	433	458	455	438	392	351	334
Georgia	68	68	68	64	55	47	44
Kazakhstan	245	255	273	273	279	228	216
Kyrgyzstan	32	36	38	41	38	34	33
Moldova	156	160	162	172	160	124	117
Russia	3,264	3,399	3,499	3,480	3,190	2,800	2,690
Tajikistan	14	14	14	12	8	6	6
Turkmenistan	10	10	11	11	10	8	8
Ukraine	1,469	1,576	1,595	1,576	1,421	1,209	1,148
Uzbekistan	44	49	51	51	52	48	46
<b>Total FSU-12</b>	<b>5,770</b>	<b>6,059</b>	<b>6,198</b>	<b>6,146</b>	<b>5,634</b>	<b>4,875</b>	<b>4,662</b>
Estonia	120	127	125	115	104	88	84
Latvia	157	160	153	138	126	107	102
Lithuania	248	246	250	241	222	189	179
<b>Total Baltics</b>	<b>525</b>	<b>533</b>	<b>528</b>	<b>494</b>	<b>452</b>	<b>384</b>	<b>365</b>

1/ Forecast

Source: USDA estimates based on GOSKOMSTAT data.

TABLE 32

**HOG INVENTORIES IN THE FSU-12 AND BALTIC STATES**  
(1,000 Head–January 1)

	1987	1988	1989	1990	1991	1992 1/	1993 1/
Armenia	340	344	319	329	311	276	243
Azerbaijan	236	230	212	202	157	140	123
Belarus	5,093	5,103	5,134	5,204	5,051	4,389	3,862
Georgia	1,150	1,118	1,099	1,028	880	782	688
Kazakhstan	3,221	3,237	3,188	3,264	3,224	2,794	2,459
Kyrgyzstan	388	416	445	393	337	299	264
Moldova	1,892	1,703	1,871	2,045	1,850	1,644	1,447
Russia	40,200	39,200	39,800	40,000	38,300	35,400	30,445
Tajikistan	243	235	217	210	183	163	143
Turkmenistan	229	243	265	269	267	237	209
Ukraine	20,138	19,313	19,471	19,947	19,427	17,839	15,699
Uzbekistan	763	743	729	743	716	636	560
<b>Total FSU-12</b>	<b>73,893</b>	<b>71,885</b>	<b>72,750</b>	<b>73,634</b>	<b>70,703</b>	<b>64,599</b>	<b>56,142</b>
Estonia	1,100	1,083	1,099	1,080	960	877	772
Latvia	1,718	1,620	1,555	1,401	1,351	1,234	1,086
Lithuania	2,772	2,706	2,705	2,730	2,436	2,226	1,959
<b>Total Baltics</b>	<b>5,590</b>	<b>5,409</b>	<b>5,359</b>	<b>5,211</b>	<b>4,747</b>	<b>4,337</b>	<b>3,817</b>

1/ Forecast

Source: 1987–90: GOSKOMSTAT data; 1991–1993: USDA estimates.

TABLE 33

LAMB, MUTTON AND GOAT MEAT PRODUCTION IN THE FSU-12 AND BALTIC STATES  
(1,000 Metric tons–carcass weight equivalent)

	1987	1988	1989	1990	1991	1992 1/	1993 1/
Armenia	13	13	12	9	11	9	9
Azerbaijan	33	37	36	35	33	25	25
Belarus	9	9	9	8	8	6	6
Georgia	9	9	10	10	8	6	6
Kazakhstan	258	279	289	292	281	230	228
Kyrgyzstan	67	72	75	77	67	60	60
Moldova	5	5	5	7	3	2	2
Russia	346	371	385	395	347	315	290
Tajikistan	25	26	24	25	24	17	17
Turkmenistan	32	32	34	35	34	27	28
Ukraine	42	44	44	46	43	35	35
Uzbekistan	56	56	61	67	68	62	62
Total FSU-12	895	953	984	1,006	927	794	768
Estonia	3	3	3	3	3	2	2
Latvia	4	4	4	4	4	3	3
Lithuania	3	3	3	2	2	2	2
Total Baltics	10	10	10	9	9	7	7

1/ Forecast

Source: USDA estimates based on GOSKOMSTAT data.

TABLE 34

SHEEP AND GOAT INVENTORIES IN THE FSU-12 AND BALTIC STATES  
(1,000 Head–January 1)

	1987	1988	1989	1990	1991	1992 1/	1993 1/
Armenia	1,819	1,730	1,450	1,427	1,374	1,250	1,125
Azerbaijan	5,641	5,705	5,700	5,607	5,401	4,915	4,424
Belarus	634	614	600	500	482	438	394
Georgia	1,939	1,921	1,900	1,869	1,800	1,638	1,475
Kazakhstan	36,408	36,388	36,498	36,223	35,586	32,385	29,147
Kyrgyzstan	10,390	10,405	10,483	10,500	10,113	9,204	8,283
Moldova	2,483	2,458	2,456	2,416	2,327	2,118	1,906
Russia	64,100	63,000	62,700	61,300	58,200	55,300	49,250
Tajikistan	3,230	3,258	3,340	3,359	3,235	2,944	2,650
Turkmenistan	4,816	4,865	5,269	5,399	5,200	4,732	4,259
Ukraine	9,375	9,307	9,243	9,003	8,419	7,662	6,896
Uzbekistan	8,832	8,540	8,722	8,786	8,462	7,701	6,931
Total FSU-12	149,667	148,191	148,361	146,389	140,599	130,287	116,740
Estonia	136	136	100	100	96	82	78
Latvia	180	170	200	197	190	162	154
Lithuania	93	90	100	98	95	81	77
Total Baltics	409	396	400	395	381	325	309

1/ Forecast

Source: 1987–90: GOSKOMSTAT data; 1991–1993: USDA estimates.



## WORLD COCOA PRODUCTION SITUATION

World cocoa bean production for 1992/93 (October-September) is estimated at 2.31 million tons, 2 percent below the October 1992 forecast (WAP 10-92) of 2.35 million, but up 1 percent from last season. Low world prices continue to discourage area expansion in most producing countries. In Cote d'Ivoire, the world's largest producer, 1992/93 outturn is estimated at 700,000 tons, down 80,000 from the October forecast and down 47,000 from 1991/92. The downward revision is due both to new government purchasing policies and drought in June - September, 1992. In Brazil, the second largest producer, 1992/93 production was revised upward 5,000 tons to 295,000 -- about the same as that produced in 1991/92.

### Africa

The output of cocoa beans in Africa during the 1992/93 season is estimated at 1.2 million tons, down 6 percent from the October 1992 forecast, but 1 percent above last year. In Cote d'Ivoire, the 1992/93 estimate was revised downward to 700,000 tons because of a severe drought in the center-west, one of the largest producing regions. In addition, new government policies on purchases from October 15 until April 30, 1993, have been implemented. According to these new policies, only well-dried beans and fermented beans with a maximum grain size of 110 beans per 100 grams will be purchased. Further, the policy says that there will be no mid-crop purchases this season. These measures are meant to reduce the quantity of cocoa that reaches the market. The Government target is for cocoa bean purchases of 700,000 tons or less.

Ghana's 1992/93 cocoa bean crop is estimated at 270,000 tons, unchanged from the October forecast, but up 11 percent from last season. The larger output is due to favorable weather this season. Privatization of domestic marketing is proceeding at a much slower pace than earlier expected. Only 6 companies have received provisional licenses and they have not been allowed to buy cocoa beans. Two companies are expected to receive their full licenses shortly, but Ghana's main crop season is essentially finished and these companies only will be able to purchase mid-crop cocoa beans.

Cocoa bean production in Nigeria is estimated at 140,000 tons, 4 percent more than the October forecast and 27 percent more than last season. The large year-to-year increase results from a recovery from the weather-damaged 1991/92 harvest.

### South America

South America's 1992/93 cocoa bean production is estimated at 466,400 tons, unchanged from the October forecast and virtually unchanged from the volume harvested a year ago. The 295,000-ton estimate of the Brazilian crop is slightly above the October forecast, but unchanged from last year. The Bahia main crop is estimated at 142,000 tons, while the temporao crop and production in other states are expected to total 153,000. This year's production is well below the 375,000-ton outturn of only 2 years ago. Low grower prices have discouraged both the use of inputs and new plantings this year.

Ecuador's 1992/93 cocoa bean crop is estimated at 78,000 tons, down 8 percent from the October forecast and down 3,000 from last year. The downward revision is the result of excessive rainfall for cocoa production during the 1992 rainy season (January to May). Precipitation was unusually heavy, perhaps as a consequence of the effect of the "El Nino" weather phenomenon. The heavy precipitation affected both yield and quality and created widespread outbreaks of pod rot and witches broom. The long-term trend of declining area harvested continues as a result of the replacement of lower-priced cocoa with higher priced products; i.e., bananas, soybeans, and corn.

Cocoa bean production in North and Central America and the Caribbean is estimated at 107,000 tons for 1992/93, unchanged from October, but down 3 percent from last season. Production in the Dominican Republic is estimated at 46,000 tons, down 6 percent from last year. Mexico's 1992/93 crop is estimated at 42,000 tons, up slightly from a year ago.

### Asia

The output of cocoa beans in Asia and Oceania during the 1992/93 season is estimated at 493,800 tons, up 8 percent from the October forecast and up 6 percent from last year. Indonesia, the fastest growing cocoa producing country in world, is now estimated to be the largest Asian producing country. Indonesia is estimated to harvest a 1992/93 cocoa crop of 220,000 tons, up 20,000 tons from the October forecast and 35,000 tons above last season's harvest. Despite the relatively low world market price for cocoa, Indonesia's production and exports of cocoa beans likely will increase. This is primarily because that on the island of Sulawesi, where about 70 percent of Indonesia's cocoa is grown, returns from cocoa are high ensuring continued planting. On Sulawesi, the number of mature cocoa trees is less than 50 percent of the total, indicating yields will increase in the future. Most growers on Sulawesi are small holders, in contrast to the large government-owned plantations on the island of Sumatra. On these large plantations, new plantings are not planned, nor are yields likely to increase.

The quality of Indonesian cocoa beans is generally low. On government-owned plantations, cocoa beans are not sun-dried and fermentation is done in large batches where quality is difficult to control. Production by small holders is usually of low quality because their output is too small for optimal box fermentation. The Association of Cocoa Producers and Exporters is attempting to increase the quality of Indonesian cocoa beans through expanded extension services.

In Malaysia, 1992/93 cocoa bean production is estimated at 215,000 tons, 15,000 more than the October forecast, but down slightly from a year ago. Despite an additional 30,000 hectares reaching full maturity in 1992/93, a decline in yields is expected. The cumulative effects of reduced fertilizer/pesticide use and poor farm maintenance over the past several years are the major reasons for lower yields.



TABLE 35

## WORLD COCOA BEAN PRODUCTION 1/

(1,000 Metric tons)

	1989/90	1990/91	1991/92	1992/93 October	1992/93 March
Costa Rica	4.6	3.5	3.0	2.5	2.5
Guatemala	2.0	2.0	2.0	2.0	2.0
Honduras	2.2	3.2	3.0	3.0	3.0
Mexico	38.5	38.9	41.5	42.0	42.0
Nicaragua	1.0	1.2	1.1	1.2	1.2
Panama	0.5	0.5	0.5	0.5	0.5
<b>NORTH &amp; CENTRAL AMERICA</b>	<b>48.8</b>	<b>49.3</b>	<b>51.1</b>	<b>51.2</b>	<b>51.2</b>
Cuba	2.1	2.1	2.1	2.0	2.0
Dominican Republic	57.0	42.3	48.8	46.0	46.0
Grenada	2.0	2.0	2.0	2.0	2.0
Haiti	3.0	2.0	2.0	2.0	2.0
Jamaica & Dep	1.5	2.0	2.0	2.0	2.0
Trinidad and Tobago	2.0	1.7	1.5	1.5	1.5
Other 2/	0.3	0.3	0.3	0.3	0.3
<b>CARIBBEAN</b>	<b>67.9</b>	<b>52.4</b>	<b>58.7</b>	<b>55.8</b>	<b>55.8</b>
Bolivia	2.5	2.5	2.5	2.5	2.5
Brazil	356.0	375.0	295.0	290.0	295.0
Colombia	58.0	60.0	60.5	61.0	61.0
Ecuador	102.0	104.0	81.0	85.0	78.0
Peru	10.0	10.0	10.0	10.0	10.0
Surinam	0.1	0.1	0.1	0.1	0.1
Venezuela	14.4	16.5	17.5	17.8	17.8
<b>SOUTH AMERICA</b>	<b>543.0</b>	<b>568.1</b>	<b>466.6</b>	<b>466.4</b>	<b>464.4</b>
Angola	0.2	0.2	0.2	0.2	0.2
Cameroon	122.0	100.0	95.0	95.0	95.0
Comoro Islands	0.1	0.1	0.1	0.1	0.1
Congo	1.0	0.4	1.0	1.0	1.0
Cote d' Ivoire 3/	710.0	804.2	747.0	780.0	700.0
Equatorial Guinea	7.5	5.5	6.0	6.0	6.0
Gabon	1.6	1.4	1.5	1.5	1.5
Ghana	295.1	293.4	242.5	270.0	270.0
Liberia	3.0	2.0	2.0	2.0	1.0
Madagascar	2.5	2.4	2.5	2.5	2.5
Nigeria 4/	155.0	160.0	110.0	135.0	140.0
Sao Tome and Principe	2.8	2.6	3.0	3.0	3.0
Sierra Leone	5.5	11.8	10.0	10.0	10.0
Tanzania	2.0	2.5	2.0	2.0	2.0
Togo 3/	7.7	7.3	7.0	7.0	7.0
Uganda	0.2	0.6	0.6	0.6	0.6
Zaire	4.0	3.5	3.0	3.0	3.0
<b>AFRICA</b>	<b>1,320.2</b>	<b>1,397.9</b>	<b>1,233.4</b>	<b>1,318.9</b>	<b>1,242.9</b>
India	6.0	6.0	5.0	6.0	6.0
Indonesia	135.0	165.0	185.0	200.0	220.0
Malaysia	240.0	235.0	217.0	200.0	215.0
Philippines	9.0	9.0	9.0	9.0	9.0
Sri Lanka	1.5	1.5	1.0	1.0	1.0
<b>ASIA</b>	<b>391.5</b>	<b>416.5</b>	<b>417.0</b>	<b>416.0</b>	<b>451.0</b>
Fiji	0.3	0.3	0.3	0.3	0.3
Papua New Guinea	41.0	34.0	40.0	35.0	35.0
Solomon Islands	3.8	4.7	5.0	5.0	5.0
Vanuatu/New Hebrides	2.2	2.2	2.0	2.0	2.0
Western Samoa	0.5	0.5	0.5	0.5	0.5
<b>OCEANIA</b>	<b>47.8</b>	<b>41.7</b>	<b>47.8</b>	<b>42.8</b>	<b>42.8</b>
<b>WORLD</b>	<b>2,419.2</b>	<b>2,525.9</b>	<b>2,274.6</b>	<b>2,351.1</b>	<b>2,308.1</b>

1/ Estimates refer to an October-September crop year. 2/ Includes Belize, Dominica, St. Lucia, Guadeloupe, and Martinique. 3/ Includes some cocoa marketed from Ghana. 4/ Includes cocoa marketed through Benin.

## WORLD COTTONSEED SITUATION AND OUTLOOK

World cottonseed production for 1992/93 is forecast at 31.4 million tons, down 14 percent from last season's record output of 36.7 million. World cottonseed area and yield are forecast to return to near average this season. Harvested area is forecast at 32.5 million hectares, down 2.3 million or 6 percent from last season. World cottonseed yield is estimated at 0.97 tons per hectare, down 8 percent from last season.

Of the 6 major cotton producers, which include India, China, the United States, the former Soviet Union, Pakistan, and Brazil, only China increased cotton area this season. China is forecast to harvest a near-record 6.8 million hectares, 3 percent over last year. The other major producers are expected to harvest fewer hectares than a year ago. Area reductions are estimated to range from 3 percent in India to as much as 25 percent in Brazil. Pakistan and the United States reduced area by approximately 14 percent each.

As a result of weather variation, cottonseed output will not strictly follow the change in cotton area. Percentage reductions in cottonseed output were greater than area reductions in the former Soviet Union and Pakistan due to poor harvest conditions and reduced yields.

Brazil's cottonseed production during 1992/93 is forecast at 1.1 million tons, down 12 percent from last season. Harvested area is forecast down 16 percent, but favorable growing conditions have improved yield prospects. Much of Brazil's cotton is still in the development stage and dependent upon continued good weather during March and April.

China's 1992/93 cottonseed production is forecast at 7.7 million tons, down 1.9 million or 20 percent from last year. Cotton area increased to 6.8 million hectares, 3 percent above last season; however, yields were reduced by early season drought and a severe infestation of boll worms. Major crop losses were reported for the primary cotton-growing provinces in the North China Plain.

India's cottonseed output for 1992/93 is estimated at 4.1 million tons, 3 percent above last year's crop, even though harvested area is estimated down 3 percent to 7.5 million hectares. A near-record yield of 0.54 tons per hectare increased the cottonseed harvest above last year. Favorable moisture fell during the 1992 monsoon, particularly in central India, which offset a poor harvest in the Punjab.

The United States harvested a 1992/93 cottonseed crop of 5.7 million tons, 10 percent below last season's post-1953/54 record of 6.3 million. Harvested area was close to the 5-year average, but down 14 percent from last season's 5.2 million hectares. Favorable growing conditions in several major cotton-growing states boosted yield well above average, holding the decline in cottonseed collection to slightly less than 10 percent.

### Outlook For 1993/94 1/

World cotton planted area in 1993/94, and the accompanying cottonseed crop, will be influenced by the current cotton market situation, world and domestic financial conditions, emerging government policies, and weather. Lower cotton prices this season, reflecting relatively high stocks/use ratios, will be a major factor in next season's expected profitability and crop planting decisions.



Total foreign cotton harvested area for 1993/94 will likely fall within a range of 27.0 to 29.0 million hectares. The low end of the range reflects the effects of this season's low cotton prices, together with the possibility of financial problems and potentially unfavorable growing conditions in some major producing countries. On the high end of the forecast, low market prices may influence several large cotton-producing countries to provide favorable crop support through government policies.

Official USDA 1993/94 forecasts for oilseeds area and production, by country and region, are to be released in July 1993.

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1/ For details of the 1993/94 cotton area outlook, see "Foreign Cotton Area", WORLD AGRICULTURAL PRODUCTION, Circular Series, WAP 2-93, February 1993.

TABLE 36

# World Cottonseed Harvested Area

	Prelim. Forecast										
	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
	— 1,000 hectares —										
Total Area	31,353	30,963	33,746	31,539	29,383	31,389	33,356	31,460	32,987	34,749	32,475
Afghanistan	50	50	50	75	69	40	45	55	60	60	60
Albania	28	28	28	28	28	28	28	28	28	28	25
Angola	25	14	14	14	10	10	10	10	10	10	10
Argentina	360	470	447	320	330	515	501	570	630	580	400
Australia	96	137	183	177	148	247	194	240	279	282	251
Bangladesh	20	17	13	17	13	12	17	20	20	20	22
Benin	50	50	105	100	100	80	97	110	123	150	130
Bolivia	8	6	10	10	8	12	2	4	15	25	40
Brazil	2,113	1,975	2,420	2,175	2,165	2,553	2,107	1,872	1,915	1,945	1,630
Bulgaria	13	12	14	14	14	12	12	11	12	12	12
Burkina	72	77	80	95	115	120	170	165	176	170	170
Burma	217	227	251	215	191	183	160	150	155	155	155
Cameroon	55	71	73	89	94	95	112	90	95	100	100
Central African Rep	68	72	79	80	80	75	65	63	70	65	65
Chad	137	176	142	148	135	160	190	185	195	210	190
China	5,828	6,077	6,923	5,140	4,306	4,844	5,534	5,203	5,588	6,539	6,750
Colombia	56	144	197	184	175	234	218	188	260	275	115
Costa Rica	1	2	2	1	1	1	1	1	1	1	1
Cote d' Ivoire	119	136	146	153	159	180	213	201	199	191	224
Cuba	4	4	4	4	4	4	4	4	4	4	4
Dominican Rep	3	4	5	5	3	5	3	3	1	1	1
Ecuador	23	5	8	14	20	17	14	22	28	25	29
Egypt	447	425	415	454	443	416	425	422	417	358	353
Ethiopia	140	140	53	53	55	55	55	55	55	55	55
FSU-12	3,188	3,192	3,347	3,316	3,475	3,527	3,432	3,333	3,171	3,010	2,850
Greece	113	168	192	203	205	211	252	278	265	238	302
Haiti	13	13	13	13	13	13	13	13	13	13	13
Honduras	4	7	8	7	4	5	4	3	3	3	3
India	7,871	7,721	7,382	7,533	6,948	6,471	7,343	7,331	7,402	7,684	7,480
Indonesia	35	30	26	33	17	17	20	20	20	20	20
Iran	205	184	212	188	188	196	191	228	229	204	200
Iraq	65	65	65	65	65	65	65	65	65	60	60
Israel	56	57	63	65	46	40	48	30	32	12	20
Italy	3	3	3	3	3	3	1	1	1	1	1
Kenya	105	145	97	68	50	40	46	60	61	60	56
Korea, DPR	7	7	7	7	7	7	7	7	7	7	7
Korea, Rep of	4	3	3	2	1	1	1	1	1	1	1
Madagascar	19	20	24	20	20	18	20	20	20	20	20
Malawi	35	35	30	50	30	50	45	50	60	60	50
Mali	86	104	113	139	146	135	160	170	195	190	195
Mexico	204	245	320	213	150	230	255	188	186	250	50
Morocco	10	11	9	13	14	15	18	15	16	12	8
Mozambique	110	100	15	48	108	131	108	65	78	86	90
Nicaragua	90	117	112	87	65	59	34	35	44	36	2
Niger	2	4	4	4	4	9	8	7	4	4	4
Nigeria	205	195	220	220	285	320	370	380	380	430	510
Pakistan	2,263	2,221	2,242	2,364	2,505	2,568	2,508	2,598	2,662	2,881	2,460
Paraguay	240	300	400	330	275	420	438	509	550	480	350
Peru	83	95	140	164	125	138	170	135	114	97	60
Philippines	12	13	11	13	14	14	14	15	17	18	17
Senegal	36	33	46	38	25	29	39	24	36	45	40
Somalia	12	12	12	12	12	12	11	12	12	12	12
South Africa, Rep of	105	99	108	126	160	205	208	165	127	78	80
Spain	49	40	60	64	79	79	135	68	84	78	60
Sudan	412	400	360	326	346	318	313	279	179	197	200
Syria	159	176	179	170	144	129	171	158	156	170	173
Tanzania	360	446	390	370	400	450	450	260	320	450	430
Thailand	107	100	70	83	49	64	70	61	71	90	67
Togo	26	30	43	55	55	60	70	75	80	80	80
Turkey	595	614	743	660	589	587	707	725	641	598	630
Uganda	170	164	267	260	200	260	37	42	51	78	75
United States	3,939	2,973	4,200	4,140	3,427	4,059	4,835	3,860	4,748	5,245	4,514
Venezuela	21	25	46	61	43	53	74	68	47	38	38
Vietnam	11	14	14	14	15	15	15	13	13	14	14
Yemen	41	41	41	41	41	41	41	41	41	41	40
Yugoslavia	3	2	1	1	1	1	1	1	1	1	1
Zaire	76	85	69	60	49	42	39	36	36	35	35
Zambia	33	52	46	40	32	58	91	64	97	85	90
Zimbabwe	138	189	230	192	243	272	248	229	273	236	275



TABLE 37  
**World Cottonseed Yields**

	Prelim. Forecast										
	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
	— — Metric tons per hectare — —										
Average Yield	0.852	0.815	1.006	0.972	0.927	0.997	0.973	0.977	1.015	1.055	0.967
Afghanistan	0.880	0.880	0.880	1.467	1.449	2.000	1.778	0.727	1.667	1.333	1.333
Albania	0.536	0.536	0.536	0.536	0.536	0.536	0.536	0.536	0.536	0.179	0.200
Angola	0.360	0.643	0.643	0.643	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Argentina	0.611	0.694	0.655	0.681	0.585	0.907	0.635	0.772	0.778	0.836	0.800
Australia	1.708	1.679	2.240	2.158	2.230	1.761	2.160	2.054	2.470	2.656	2.068
Bangladesh	0.350	0.706	0.615	0.471	0.462	0.917	0.765	0.550	0.550	0.600	0.591
Benin	0.340	0.340	0.600	0.620	0.910	0.650	0.825	0.482	0.585	0.500	0.538
Bolivia	0.750	0.833	0.900	0.800	0.750	0.750	1.000	0.500	0.667	0.600	0.625
Brazil	0.567	0.504	0.726	0.646	0.501	0.607	0.567	0.622	0.611	0.612	0.644
Bulgaria	1.000	0.833	0.786	0.643	0.643	0.667	0.583	0.636	0.667	0.667	0.667
Burkina	0.708	0.701	0.775	0.874	1.043	0.942	0.635	0.594	0.636	0.647	0.588
Burma	0.318	0.326	0.335	0.307	0.283	0.295	0.250	0.400	0.419	0.419	0.387
Cameroon	1.091	1.042	1.137	1.191	1.191	1.095	1.259	1.111	1.158	1.130	1.150
Central African Rep	0.294	0.333	0.418	0.325	0.238	0.200	0.338	0.270	0.257	0.262	0.277
Chad	0.496	0.705	0.472	0.507	0.489	0.581	0.558	0.481	0.590	0.562	0.579
China	1.050	1.297	1.537	1.372	1.398	1.490	1.274	1.238	1.372	1.477	1.144
Colombia	1.089	1.021	0.949	1.141	1.086	1.081	0.972	0.931	1.096	1.018	1.043
Costa Rica	1.000	1.500	2.000	2.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Cote d' Ivoire	0.580	0.581	0.822	0.719	0.774	0.750	0.709	0.617	0.688	0.681	0.692
Cuba	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Dominican Rep	1.000	0.750	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Ecuador	0.522	0.800	1.250	0.786	0.600	0.588	1.143	0.864	0.893	0.880	0.897
Egypt	1.720	1.600	1.600	1.531	1.456	1.351	1.148	1.268	1.367	1.425	1.360
Ethiopia	0.286	0.286	0.849	0.830	0.782	0.782	0.782	0.782	0.782	0.782	0.782
FSU—12	1.598	1.247	1.422	1.538	1.401	1.273	1.463	1.532	1.539	1.473	1.333
Greece	1.239	1.131	1.266	1.369	1.595	1.422	1.587	1.486	1.181	1.345	1.159
Haiti	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308	0.308
Honduras	1.500	1.000	1.125	1.286	1.500	1.200	1.250	1.333	1.333	1.333	1.333
India	0.387	0.343	0.467	0.485	0.463	0.495	0.506	0.600	0.527	0.517	0.545
Indonesia	0.343	0.300	0.346	0.333	0.294	0.294	0.300	0.300	0.300	0.300	0.300
Iran	0.541	0.625	0.665	0.707	0.787	0.821	0.806	0.662	0.699	0.740	0.750
Iraq	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.446	0.433	0.433
Israel	2.732	3.281	2.937	2.462	2.674	2.425	2.167	2.533	2.594	2.833	2.800
Italy	0.333	0.333	0.333	0.333	0.333	0.333	1.000	1.000	1.000	1.000	1.000
Kenya	0.143	0.076	0.268	0.279	0.240	0.300	0.261	0.200	0.197	0.183	0.161
Korea, DPR	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286	0.286
Korea, Rep of	0.750	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Madagascar	0.947	0.850	0.875	1.150	1.150	1.500	2.300	1.950	1.750	1.750	1.750
Malawi	0.429	0.429	0.633	0.420	0.400	0.440	0.356	0.280	0.250	0.183	0.280
Mali	1.151	1.029	0.894	0.957	1.062	1.096	1.169	1.082	1.026	1.026	1.205
Mexico	1.534	1.539	1.434	1.667	1.620	1.609	2.420	1.782	1.828	1.400	1.700
Morocco	1.200	1.273	1.000	1.154	1.286	1.467	1.056	1.267	1.125	1.250	1.250
Mozambique	0.218	0.140	1.467	0.167	0.167	0.107	0.167	0.308	0.308	0.302	0.289
Nicaragua	1.889	1.368	1.223	1.149	1.385	1.356	1.265	1.343	1.295	1.222	2.000
Niger	1.000	0.750	0.750	0.500	0.500	0.889	0.750	0.571	1.000	0.750	0.500
Nigeria	0.185	0.138	0.145	0.091	0.196	0.188	0.214	0.216	0.189	0.279	0.247
Pakistan	0.728	0.445	0.899	1.029	1.053	1.143	1.137	1.120	1.230	1.512	1.274
Paraguay	0.588	0.600	0.675	0.594	0.545	0.726	0.822	0.747	0.782	0.531	0.800
Peru	0.723	1.158	1.036	1.098	0.872	1.036	0.800	0.874	1.070	1.031	1.000
Philippines	0.667	0.538	0.636	0.615	0.714	0.571	0.571	0.533	0.471	0.444	0.471
Senegal	0.917	0.576	0.826	0.421	0.600	0.690	0.641	0.750	0.611	0.778	0.750
Somalia	0.250	0.250	0.250	0.250	0.250	0.250	0.273	0.250	0.250	0.250	0.250
South Africa, Rep of	0.505	0.737	0.824	0.746	0.963	0.654	0.745	0.727	0.764	0.538	0.463
Spain	2.102	1.975	1.817	1.672	1.620	1.582	1.333	1.441	1.607	1.718	1.400
Sudan	1.070	1.188	1.206	0.933	1.009	0.915	0.949	0.975	1.067	0.964	1.000
Syria	1.660	1.875	1.564	1.806	1.549	1.473	1.754	1.791	1.859	2.082	2.081
Tanzania	0.228	0.202	0.249	0.173	0.338	0.371	0.278	0.277	0.297	0.360	0.326
Thailand	0.748	0.800	0.743	0.843	0.776	0.781	1.000	0.951	0.915	0.889	0.821
Togo	0.192	0.567	0.930	0.909	1.127	0.883	0.886	0.800	1.250	1.188	1.063
Turkey	1.314	1.360	1.249	1.227	1.407	1.465	1.414	1.241	1.608	1.468	1.500
Uganda	0.124	0.122	0.142	0.108	0.120	0.146	0.270	0.286	0.314	0.282	0.240
United States	1.093	0.939	1.112	1.157	1.006	1.289	1.137	1.099	1.140	1.198	1.259
Venezuela	1.000	0.960	0.957	0.934	0.744	0.774	0.797	0.765	0.830	0.868	0.868
Vietnam	0.182	0.214	0.214	0.214	0.267	0.267	0.267	0.308	0.308	0.357	0.357
Yemen	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.750
Yugoslavia	0.333	0.500	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Zaire	0.316	0.200	0.275	0.267	0.306	0.310	0.282	0.306	0.278	0.286	0.286
Zambia	0.636	0.500	0.652	0.625	0.438	0.724	0.319	0.266	0.433	0.412	0.367
Zimbabwe	0.768	0.794	0.809	0.854	0.642	0.776	0.653	0.507	0.465	0.153	0.382

TABLE 38  
**World Cottonseed Production**

	Prelim. Forecast										
	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
	— — 1,000 metric tons — —										
Total Production	26,709	25,242	33,950	30,646	27,237	31,288	32,456	30,746	33,495	36,663	31,417
Afghanistan	44	44	44	110	100	80	80	40	100	80	80
Albania	15	15	15	15	15	15	15	15	15	5	5
Angola	9	9	9	9	9	9	9	9	9	9	9
Argentina	220	326	293	218	193	467	318	440	490	485	320
Australia	164	230	410	382	330	435	419	493	689	749	519
Bangladesh	7	12	8	8	6	11	13	11	11	12	13
Benin	17	17	63	62	91	52	80	53	72	75	70
Bolivia	6	5	9	8	6	9	2	2	10	15	25
Brazil	1,198	995	1,758	1,405	1,085	1,550	1,195	1,165	1,170	1,190	1,050
Bulgaria	13	10	11	9	9	8	7	7	8	8	8
Burkina	51	54	62	83	120	113	108	98	112	110	100
Burma	69	74	84	66	54	54	40	60	65	65	60
Cameroon	60	74	83	106	112	104	141	100	110	113	115
Central African Rep	20	24	33	26	19	15	22	17	18	17	18
Chad	68	124	67	75	66	93	106	89	115	118	110
China	6,117	7,883	10,639	7,050	6,018	7,217	7,053	6,440	7,665	9,660	7,725
Colombia	61	147	187	210	190	253	212	175	285	280	120
Costa Rica	1	3	4	2	1	1	1	1	1	1	1
Cote d' Ivoire	69	79	120	110	123	135	151	124	137	130	155
Cuba	2	2	2	2	2	2	2	2	2	2	2
Dominican Rep	3	3	5	5	3	5	3	3	1	1	1
Ecuador	12	4	10	11	12	10	16	19	25	22	26
Egypt	769	680	664	695	645	562	488	535	570	510	480
Ethiopia	40	40	45	44	43	43	43	43	43	43	43
FSU—12	5,094	3,980	4,760	5,100	4,870	4,490	5,020	5,106	4,880	4,435	3,800
Greece	140	190	243	278	327	300	400	413	313	320	350
Haiti	4	4	4	4	4	4	4	4	4	4	4
Honduras	6	7	9	9	6	6	5	4	4	4	4
India	3,047	2,647	3,447	3,652	3,218	3,202	3,712	4,400	3,900	3,970	4,075
Indonesia	12	9	9	11	5	5	6	6	6	6	6
Iran	111	115	141	133	148	161	154	151	160	151	150
Iraq	29	29	29	29	29	29	29	29	29	26	26
Israel	153	187	185	160	123	97	104	76	83	34	56
Italy	1	1	1	1	1	1	1	1	1	1	1
Kenya	15	11	26	19	12	12	12	12	12	11	9
Korea, DPR	2	2	2	2	2	2	2	2	2	2	2
Korea, Rep of	3	3	3	2	1	1	1	1	1	1	1
Madagascar	18	17	21	23	23	27	46	39	35	35	35
Malawi	15	15	19	21	12	22	16	14	15	11	14
Mali	99	107	101	133	155	148	187	184	200	195	235
Mexico	313	377	459	355	243	370	617	335	340	350	85
Morocco	12	14	9	15	18	22	19	19	18	15	10
Mozambique	24	14	22	8	18	14	18	20	24	26	26
Nicaragua	170	160	137	100	90	80	43	47	57	44	4
Niger	2	3	3	2	2	8	6	4	4	3	2
Nigeria	38	27	32	20	56	60	79	82	72	120	126
Pakistan	1,647	989	2,016	2,433	2,638	2,935	2,851	2,910	3,275	4,355	3,135
Paraguay	141	180	270	196	150	305	360	380	430	255	280
Peru	60	110	145	180	109	143	136	118	122	100	60
Philippines	8	7	7	8	10	8	8	8	8	8	8
Senegal	33	19	38	16	15	20	25	18	22	35	30
Somalia	3	3	3	3	3	3	3	3	3	3	3
South Africa, Rep of	53	73	89	94	154	134	155	120	97	42	37
Spain	103	79	109	107	128	125	180	98	135	134	84
Sudan	441	475	434	304	349	291	297	272	191	190	200
Syria	264	330	280	307	223	190	300	283	290	354	360
Tanzania	82	90	97	64	135	167	125	72	95	162	140
Thailand	80	80	52	70	38	50	70	58	65	80	55
Togo	5	17	40	50	62	53	62	60	100	95	85
Turkey	782	835	928	810	829	860	1,000	900	1,031	878	945
Uganda	21	20	38	28	24	38	10	12	16	22	18
United States	4,304	2,791	4,671	4,789	3,448	5,234	5,499	4,243	5,415	6,283	5,684
Venezuela	21	24	44	57	32	41	59	52	39	33	33
Vietnam	2	3	3	3	4	4	4	4	4	5	5
Yemen	29	29	29	29	29	29	29	29	29	29	30
Yugoslavia	1	1	1	1	1	1	1	1	1	1	1
Zaire	24	17	19	16	15	13	11	11	10	10	10
Zambia	21	26	30	25	14	42	29	17	42	35	33
Zimbabwe	106	150	186	164	156	211	162	116	127	36	105



CHART 1

# World Cottonseed

Harvested Area and Production

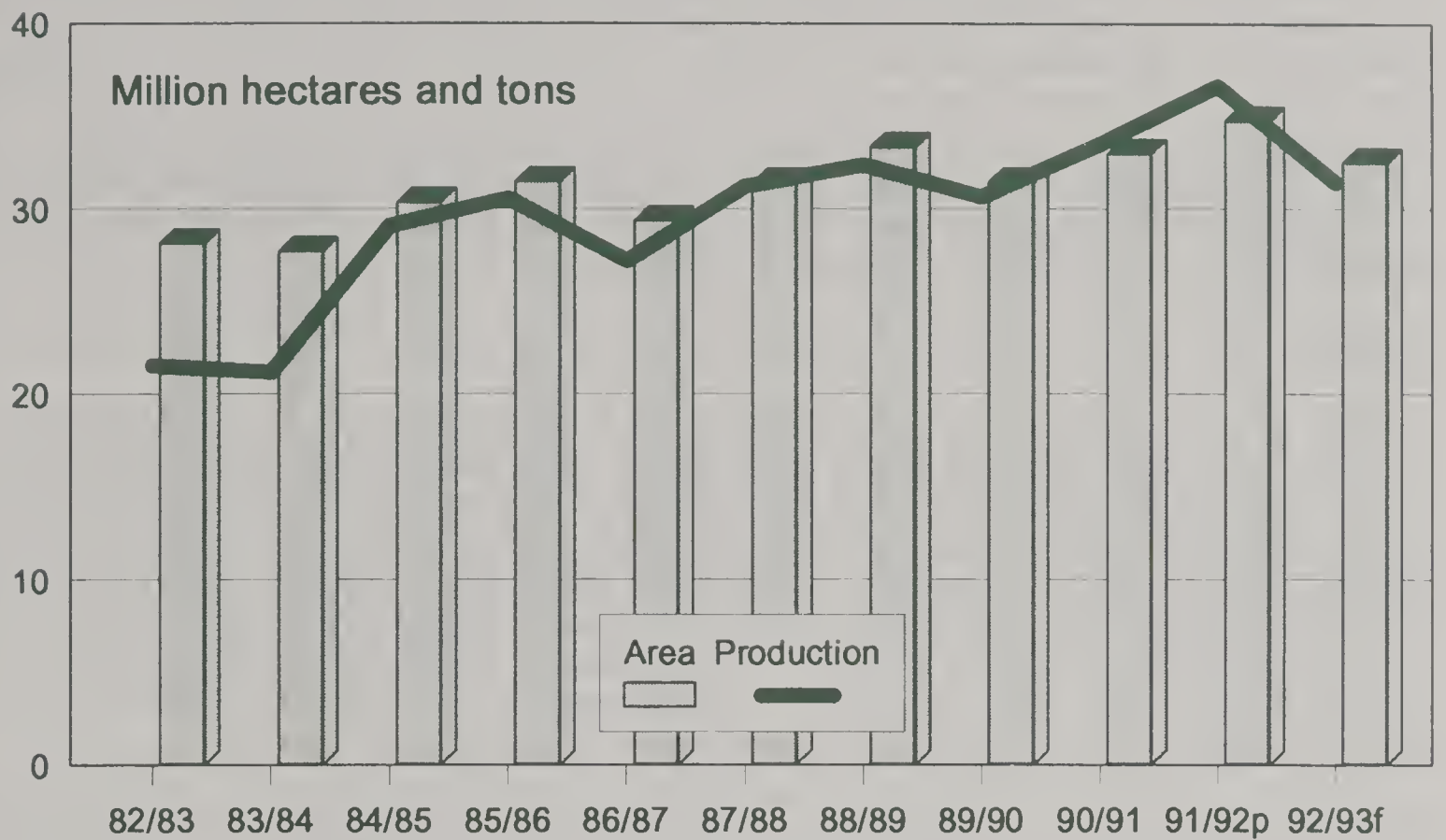
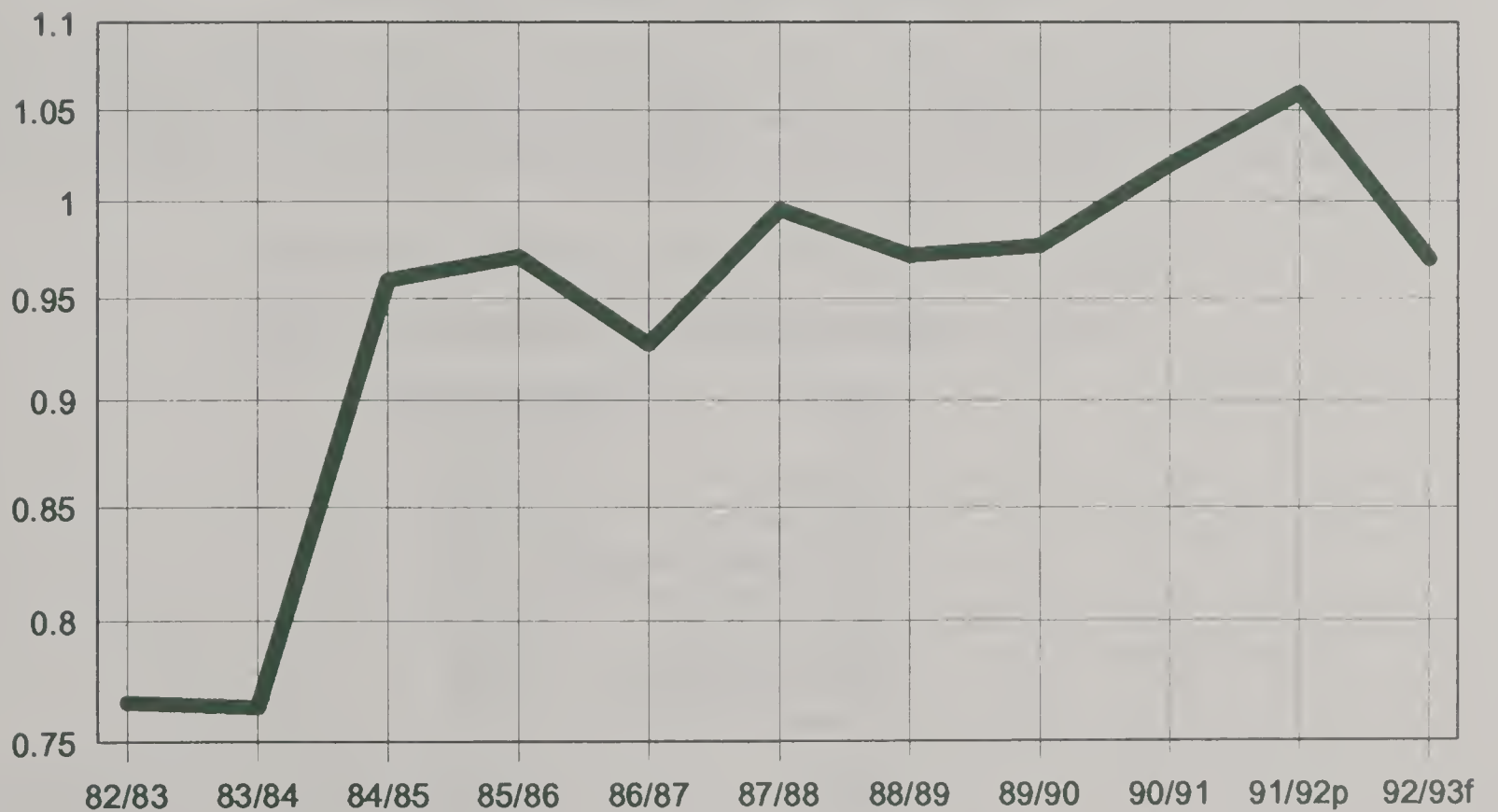


CHART 2

# World Cottonseed Yields

Average tons per hectare



## BRAZILIAN AND ARGENTINE CORN SITUATION

Brazil and Argentina are the major corn producers in South America, accounting for 63 and 25 percent of all South American corn production, respectively. Compared to 10 years ago, Brazil's harvested area is up nearly 2.0 million hectares to an estimated 13.0 million. Argentine harvested area is virtually the same as 10 years ago at 2.7 million hectares, although area has fluctuated from year to year. Corn yields are up for both Brazil and Argentina. Brazil's 1992/93 estimated corn yield, which is about one-half of Argentina's, is up 18 percent from 10 years ago to 2.08 tons per hectare for 1992/93, while Argentina's yield has increased 34 percent to 4.07.

### Brazil

Brazil's corn production for 1992/93 is estimated at 27.0 million tons, down 1.5 million or 5 percent from last year. Harvested area is estimated at 13.0 million hectares, down 4 percent from a year ago. In August 1992, the Brazilian Government announced an agricultural package that increased available credit for loans to farmers, as well as adjusted minimum support prices for 1992/93 crops. The new support prices were reduced for corn and dry beans due to record production in 1991/92 and excessive government-owned stocks. The reduced price supports provided a disincentive to plant corn and cotton and many farmers shifted area into pasture or planted soybeans.

Reports indicate that producers had difficulty obtaining government credit on a timely basis and therefore sought credit from other sources. For example, farmers often pledged a portion of their crop in exchange for inputs, rather than borrowing money from banks. During the past year, farmers exchanged about 60 percent of their crop to acquire fertilizers, herbicides, and insecticides. This "swap" method has become widely used by producers to avoid increased indebtedness. However, about 20 percent of producers' financing is done through financial institutions and by farmers themselves.

About 85 percent of Brazil's corn is grown in 6 states: Parana, Sao Paulo, Rio Grande do Sul, Minas Gerais, Goias, and Santa Catarina. The table below represents the percentage of total corn produced, by state, based on the average of the past 5 years.

Brazil: Percent of Corn Production by State

<u>STATE</u>	<u>% PRODUCTION</u>
Parana	22
Sao Paulo	15
Rio Grande do Sul	14
Minas Gerais	13
Goias	11
Santa Catarina	10
Others	15
<hr/>	
TOTAL	100



Planting conditions for the 1992/93 crop in these 6 states were generally favorable, benefiting from dry weather interspersed with rains which provided ample soil moisture. As the crop passed through the vegetative and tasseling stage, irregular rainfall and hot temperatures affected limited portions of the main producing regions. Currently, intermittent wet weather has delayed harvesting and reduced crop quality, particularly in Parana.

### Argentina

Argentine corn production for 1992/93 is estimated at 11.0 million tons, up 0.4 million or 4 percent from last year. Harvested area is estimated at 2.7 million hectares, an increase of 12 percent from last year. Stronger import demand, especially from southern Africa, improved prices and encouraged farmers to expand planted area. In addition, a record yield of 4.42 tons per hectare from last year's crop was a psychological incentive to plant more corn.

For the 1992/93 crop, rainfall has been more than adequate, especially during the grain-fill stage which occurred in January and early February. Early-season dryness at planting in some parts of the western corn belt has given way to better-than-average soil moisture. While yield is above average, it is not expected to match last year's record. Recent dryness in the eastern part of the corn belt may affect overall yield, but may prove helpful for dry-down and early harvesting.

The predominant type of corn grown in Argentina is flint, which does well under the traditional low-risk management techniques employed by Argentine farmers. However, increased yields in Argentina over the last several years are directly attributed to the increased use of dent-type hybrid corn. Yields are expected to increase further as more area is planted with dent varieties. Reportedly, 70 percent of the 1991/92 corn crop received at least one application of herbicide and more area is expected to be treated this year. Fertilizers are used sparingly, but the dent-type corn reportedly responds well. Nevertheless, overall yields are still largely dependent on rainfall.

The principle growing areas of Argentina, where about 93 percent of the total crop is grown, are in 5 Provinces: Buenos Aires, Cordoba, Santa Fe, La Pampa, and Entre Rios. The table below represents the percentage of corn produced by Province, based on the average of the past 5 years.

Argentina: Percent of Corn Production by State

<u>STATE</u>	<u>% PRODUCTION</u>
Buenos Aires	50
Cordoba	18
Santa Fe	14
La Pampa	6
Entre Rios	4
Others	8
<hr/> TOTAL	<hr/> 100

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TABLE 39

# BRAZILIAN AND ARGENTINE CORN

Area, Yield, and Production

	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
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## Area Harvested

*thousand hectares*

Brazil	11,050	12,700	12,000	12,500	13,500	13,180	12,900	12,100	12,900	13,600	13,000
Argentina	2,970	3,024	3,340	3,351	2,900	2,600	1,700	1,700	1,950	2,400	2,700

	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
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## Yield

*metric tons per hectare*

Brazil	1.77	1.65	1.83	1.68	1.96	1.88	2.02	1.80	1.84	2.10	2.08
Argentina	3.03	3.14	3.56	3.70	3.19	3.46	2.94	3.06	3.90	4.42	4.07

	1982/83	1983/84	1984/85	1985/86	1986/87	1987/88	1988/89	1989/90	1990/91	1991/92	1992/93
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## Production

*thousand metric tons*

Brazil	19,500	21,000	22,000	21,000	26,500	24,790	26,050	21,800	23,700	28,500	27,000
Argentina	9,000	9,500	11,900	12,400	9,250	9,000	5,000	5,200	7,600	10,600	11,000



AUSTRIA: In 1990, a record volume of roundwood was available because of heavy storm fellings. The following year, Austria's timber cut declined 27 percent due to high stock levels and low market prices. By the end of 1991, stocks were depleted, so fellings in 1992 increased 9 percent, to 12.5 million cubic meters (CUM). However, the forestry situation remained bleak due to low wood prices, high production costs, and poor wood quality resulting from bark beetle damage.

Austria's softwood log output in 1992 is pegged at 7.9 million CUM, up only 2 percent from the small log cut in 1991, because of weak demand from Austria's European export markets. Temperate hardwood log production rebounded 16 percent in 1992, to 456,000 CUM. This represents a return to a more normal cutting level following the 17-percent production decline in 1991 due to surplus stocks.

Softwood lumber production in 1992 totaled 7.7 million CUM, down 2 percent from 1991. Low market prices reduced profits causing small mills to cut production levels. Temperate hardwood lumber production increased slightly in 1992 to 354,000 CUM reflecting stronger demand from the furniture and cabinet-making industries. In the panel products sector, particleboard production increased marginally, to 1.7 million CUM, due to an upturn in the construction and furniture industries.

BELGIUM/LUXEMBOURG: Surplus stocks resulting from the massive storm fellings in 1990 prompted a reduction in the 1991 Belgium/Luxembourg timber cut. The current estimate for 1992 is 4.3 million CUM, up 8 percent from a year ago, and a more normal harvest level for Belgium/Luxembourg.

Softwood log production during 1992 totaled 1.9 million CUM, up 6 percent from 1991 due to moderate growth in the domestic economy. In contrast, stagnation in the furniture and carpentry industries kept temperate hardwood log production unchanged in 1992, at 720,000 CUM.

High renovation activity led to a mild recovery in softwood lumber production, to 950,000 CUM, up 2 percent from 1991. In contrast, facilities processing temperate hardwood lumber experienced an unexpected rise in production costs concurrent with a cutback in capital investment. Consequently, temperate hardwood lumber output declined 1 percent in 1992, to 470,000 CUM. Tropical hardwood lumber production duplicated 1991's low output level of 17,000 CUM because of the continuing slowdown in construction activity. Industry analysts predict a recovery in tropical hardwood lumber production during 1993 based on a projected upturn in construction activity.

Production of hardwood veneer and softwood plywood remained unchanged in 1992 at 45,000 and 22,000 CUM, respectively, due to competition from imports. However, particleboard production increased for the fifth consecutive year, to 2.4 million CUM, because of strong overseas demand.

DENMARK: The Danish forest products industry remains in a slump because of the the depressed domestic economy, sluggish construction activity, strong competition in international timber markets, low producer prices, and a lack of funding support for forestry development. Denmark's 1992 roundwood harvest totaled 2.1 million CUM, up 4 percent from 1991. Fellings of softwood and temperate hardwood logs increased in 1992 due to changing end-user preferences. In recent years, raw material demand from furniture manufacturers has shifted from dark tropical hardwoods to light-colored softwoods and temperate hardwoods due to concerns about over-cutting of tropical hardwoods. As a result, softwood log output in 1992 increased 1 percent, to 1.2 million CUM; fellings of hardwood logs increased 6 percent, to 500,000 CUM.

Softwood lumber production totaled 200,000 CUM in 1992, 15 percent below 1991, due to strong competition from imported lumber. Temperate hardwood lumber production declined 10 percent in 1992, to 54,000 CUM, as producers reduced output in an effort to firm prices.

In the panel products sector, production of softwood plywood increased 27 percent, to 14,000 CUM, due to an increase in domestic demand. In contrast, stagnation in the building sector caused particleboard production to drop 11 percent, to 300,000 CUM.

FRANCE: Activity in most of France's wood products sectors slowed significantly in 1992. Production of logs and lumber dropped below the 1991 level due to a steep decline in building starts as well as weak demand for packaging materials and furniture.

Approximately 58 percent of the logs produced in France are softwoods, namely spruce, fir, and maritime pine. Softwood log production declined 3 percent in 1992, to 13.6 million CUM, because of weak domestic and export demand. Temperate hardwood log output in 1992 totaled 9.9 million CUM, down from 10.1 million CUM in 1991, due to a reduction in building starts. Similarly productivity in the lumber and veneer sectors continued to trend downward in 1992 due to weak demand for these products in most of France's European exports markets. In contrast, strong foreign demand for French plywood and particleboard boosted 1992 production of these products to 480,000 and 2.3 million CUM, respectively.

GERMANY: The 1992 roundwood harvest totaled 27.0 million CUM, down 15 percent from 1991. Rising unemployment, a sluggish economy, and difficulties in the packaging material and furniture sectors contributed to the reduction. Softwood log output in 1992 totaled 11.1 million CUM, down 28 percent from 1991. Production of hardwood logs dropped 8 percent in 1992, to 3.1 million CUM. The smaller log output reflects Germany's continuing high level of stocks.

Germany's softwood lumber output increased 3 percent in 1992, to 14.4 million CUM. Currently, German sawmills are operating near full capacity in order to generate ample softwood lumber supplies for building projects, mainly housing for people relocating from eastern Germany. In contrast, temperate hardwood lumber output declined slightly in 1992, to 1.7 million CUM, reflecting the shortage of temperate hardwood log supplies in Germany.



Germany's veneer sector has been in decline for several years. Hardwood veneer output declined to 430,000 CUM in 1992, down 3 percent from a year ago. Production of hardwood plywood expanded marginally in 1992, to 425,000 CUM, due to increased demand from the home construction industry. In the board sector, hardboard production totaled 140,000 CUM, down 7 percent from 1991, mainly due to reduced demand from the furniture industry. Production of medium density fiberboard (MDF) increased to 360,000 CUM in 1992, up 6 percent from 1991. In recent years, production of the specialized types of MDF products such as moisture resistant, fire resistant, and bendable MDF has been expanding. MDF also has made inroads into markets traditionally dominated by particleboard. Consequently, particleboard production dropped to 6.3 million CUM in 1992, a 4-percent reduction from 1991.

Italy: The 1992 roundwood harvest totaled 7.2 million CUM, up 3 percent from a year ago, primarily because stocks generated by the massive storm fellings in 1990 have been liquidated. The softwood log estimate for 1992 is 700,000 CUM, an 8-percent increase from 1991, due to strong demand and high prices for good quality logs. Temperate hardwood log production increased marginally in 1992, to 2.1 million CUM, due to continuing strong domestic demand for Italian poplar.

Softwood lumber production totaled 800,000 CUM in 1992, 11 percent below last year, primarily due to a decrease in the volume of lumber manufactured from imported softwood logs. Production of temperate hardwood lumber remained stable in 1992, at 750,000 CUM. In contrast, diminishing supplies of imported tropical hardwood logs caused tropical hardwood lumber production to decline in 1992, to 100,000 CUM. Italy's production of MDF and particleboard remained stable at 550,000 CUM and 3.1 million CUM, respectively, due to weak prices.

NETHERLANDS: The 1992 roundwood harvest declined 8 percent in 1992, to 1.1 million CUM, due to acid rain damage and unseasonably dry summer weather. Because of the slowdown in the Dutch economy, fellings of softwood and temperate hardwood logs remained virtually unchanged from a year ago at 200,000 and 250,000 CUM, respectively. Softwood lumber production totaled 144,000 CUM in 1992, up 5 percent from 1991, due to its expanding use in maritime applications. Continuing high demand in the Dutch furniture market boosted temperate hardwood lumber production 7 percent in 1992, to 230,000 CUM.

SPAIN: Spain's forestry industry is in a recession due to continuing declines in the construction and new housing industries. Spain's timber harvest totaled 13.7 million CUM in 1992, down 3 percent from a year ago.

In 1992, a 5-percent decline in housing starts precipitated a moderate downturn in softwood log and lumber production, to 6.8 and 2.5 million CUM, respectively. Temperate hardwood lumber production declined 8 percent in 1992, to 670,000 CUM, due to a reduction in temperate hardwood log imports. Moderate expansion did occur in Spain's board sector during 1992 due to equipment upgrading, technological improvements, and an increase in production capacity. Production of MDF increased 8 percent in 1992, to 260,000 CUM, and particleboard production reached a record 1.8 million CUM.



UNITED KINGDOM: Although the 1992 timber harvest was marginally above the 1991 level at 6.7 million CUM, milling of all types of lumber declined. Output of softwood lumber was down for the third consecutive year, to 1.9 million CUM. Temperate hardwood lumber production dropped 2 percent, to 332,000 CUM. Production of tropical hardwood lumber totaled only 8,000 CUM, down 11 percent from 1991, due to continuing raw material shortages.

In the board sector, production of MDF remained stable at 148,000 CUM, while particleboard production increased to 1.7 million CUM as domestic companies expanded output in an effort to recapture market shares from overseas suppliers.

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TABLE 40

WEST EUROPEAN WOOD AND WOOD PRODUCT PRODUCTION  
(1,000 Cubic meters)

	1990	1991	1992 1/
<b>Austria</b>			
Harvest	15,710	11,492	12,500
Softwood Logs	10,390	7,771	7,896
Temperate Hardwood Logs	471	393	456
Softwood Lumber	8,014	7,890	7,744
Particleboard	1,528	1,689	1,695
<b>Belgium--Luxembourg</b>			
Harvest	5,230	3,970	4,270
Softwood Logs	2,750	1,800	1,900
Temperate Hardwood Logs	730	720	720
Softwood Lumber	930	930	950
Temperate Hardwood Lumber	463	477	470
Tropical Hardwood Lumber	39	17	17
Hardwood Veneer	43	45	45
Softwood Plywood	22	22	22
Particleboard	2,200	2,300	2,350
<b>Denmark</b>			
Harvest	2,050	2,018	2,100
Softwood Logs	1,150	1,142	1,150
Temperate Hardwood Logs	500	470	500
Softwood Lumber	131	235	200
Temperate Hardwood Lumber	47	60	54
Softwood Plywood	12	11	14
Particleboard	337	337	300
<b>France</b>			
Harvest	37,174	36,950	36,300
Softwood Logs	14,189	14,000	13,644
Temperate Hardwood Logs	10,157	10,050	9,950
Softwood Lumber	6,955	6,700	6,650
Temperate Hardwood Lumber	3,303	3,250	3,020
Tropical Hardwood Lumber	514	493	470
Veneer	50	45	40
Plywood	561	470	480
Particleboard	2,173	2,260	2,300
<b>Germany 2/</b>			
Harvest	NA	31,685	27,000
Softwood Logs	NA	15,462	11,100
Temperate Hardwood Logs	NA	3,316	3,050
Softwood Lumber	NA	13,933	14,350
Temperate Hardwood Lumber	NA	1,723	1,700
Hardwood Veneer	NA	442	430
Hardwood Plywood	NA	424	425
Hardboard	NA	150	140
Medium Density Fiberboard	NA	340	360
Particleboard	NA	6,500	6,250

FOOTNOTES AT END OF TABLE

March 1993

Production Estimates and Crop Assessment Division, FAS, USDA



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TABLE 40 (Continued)

## WEST EUROPEAN WOOD AND WOOD PRODUCT PRODUCTION (1,000 Cubic meters)

	1990	1991	1992 1/
<b>Italy</b>			
Harvest	6,960	7,000	7,200
Softwood Logs	900	649	700
Temperate Hardwood Logs	2,100	2,050	2,100
Softwood Lumber	850	900	800
Temperate Hardwood Lumber	700	750	750
Tropical Hardwood Lumber	130	110	100
Plywood	445	436	410
Medium Density Fiberboard	500	550	550
Particleboard	3,050	3,120	3,120
<b>Netherlands</b>			
Harvest	1,200	1,200	1,100
Softwood Logs	192	200	200
Temperate Hardwood Logs	265	251	250
Softwood Lumber	142	137	144
Temperate Hardwood Lumber	210	215	230
Tropical Hardwood Lumber	70	70	70
Particleboard	40	40	40
<b>Spain</b>			
Harvest	14,700	14,100	13,700
Softwood Logs	7,800	7,000	6,800
Temperate Hardwood Logs	4,000	4,000	3,900
Softwood Lumber	2,700	2,600	2,500
Temperate Hardwood Lumber	650	730	670
Tropical Hardwood Lumber	245	150	150
Hardboard	165	165	165
Medium Density Fiberboard	230	240	260
Particleboard	1,700	1,795	1,800
<b>United Kingdom</b>			
Harvest	6,780	6,669	6,718
Softwood Lumber	1,935	1,893	1,850
Temperate Hardwood Lumber	326	338	332
Tropical Hardwood Lumber	10	9	8
Medium Density Fiberboard	148	148	148
Particleboard	1,517	1,569	1,700

1/ Preliminary.

2/ Data for Unified Germany not available prior to 1991.